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SESSION RESUMED IN FILE 'CAPLUS' AT 13:58:22 ON 25 JAN 2011  
FILE 'CAPLUS' ENTERED AT 13:58:22 ON 25 JAN 2011  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	170.68	170.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-23.49	-23.49

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	171.20	171.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-23.49	-23.49

FILE 'REGISTRY' ENTERED AT 13:58:43 ON 25 JAN 2011  
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STRUCTURE FILE UPDATES: 24 JAN 2011 HIGHEST RN 1260364-77-9  
DICTIONARY FILE UPDATES: 24 JAN 2011 HIGHEST RN 1260364-77-9

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e mesotrione/cn

E1	1	MESOTOL/CN
E2	1	MESOTRIN/CN
E3	1 -->	MESOTRIONE/CN

E4	1	MESOTRIONE-2,4-D BUTYL ESTER MIXT./CN
E5	1	MESOTRIONE-2,4-D DIMETHYLAMINE MIXT./CN
E6	1	MESOTRIONE-2,4-D ETHYL ESTER MIXT./CN
E7	1	MESOTRIONE-2,4-D ISOCTYL ESTER MIXT./CN
E8	1	MESOTRIONE-2,4-D MIXT./CN
E9	1	MESOTRIONE-2,4-D SODIUM SALT MIXT./CN
E10	1	MESOTRIONE-ACETOCHLOR MIXT./CN
E11	1	MESOTRIONE-ATRAZINE MIXT./CN
E12	1	MESOTRIONE-BENSULFURON-METHYL MIXT./CN

=> e mesotrione-Cu/cn

E13	1	MESOTRIONE-CLOQUINTOCET MIXT./CN
E14	1	MESOTRIONE-CLOQUINTOCET-MEXYL MIXT./CN
E15	0	--> MESOTRIONE-CU/CN
E16	1	MESOTRIONE-CYANAZINE MIXT./CN
E17	1	MESOTRIONE-CYHALOFOP-BUTYL MIXT./CN
E18	1	MESOTRIONE-CYPROSULFAMIDE MIXT./CN
E19	1	MESOTRIONE-DICAMBA MIXT./CN
E20	1	MESOTRIONE-DIFLUFENZOPYR MIXT./CN
E21	1	MESOTRIONE-EPTC MIXT./CN
E22	1	MESOTRIONE-FENTRAZAMIDE MIXT./CN
E23	1	MESOTRIONE-FLAZASULFURON MIXT./CN
E24	1	MESOTRIONE-FLUCARBAZONE MIXT./CN

=> e mesotrione-Cl/cn

E25	1	MESOTRIONE-CHLORSULFURON MIXT./CN
E26	1	MESOTRIONE-CINOSULFURON MIXT./CN
E27	0	--> MESOTRIONE-CL/CN
E28	1	MESOTRIONE-CLOPYRALID MIXT./CN
E29	1	MESOTRIONE-CLOPYRALID-ATRAZINE MIXT./CN
E30	1	MESOTRIONE-CLOQUINTOCET MIXT./CN
E31	1	MESOTRIONE-CLOQUINTOCET-MEXYL MIXT./CN
E32	1	MESOTRIONE-CYANAZINE MIXT./CN
E33	1	MESOTRIONE-CYHALOFOP-BUTYL MIXT./CN
E34	1	MESOTRIONE-CYPROSULFAMIDE MIXT./CN
E35	1	MESOTRIONE-DICAMBA MIXT./CN
E36	1	MESOTRIONE-DIFLUFENZOPYR MIXT./CN

=> e mesotrione chloride/cn

E37	1	MESOTRIN/CN
E38	1	MESOTRIONE/CN
E39	0	--> MESOTRIONE CHLORIDE/CN
E40	1	MESOTRIONE-2,4-D BUTYL ESTER MIXT./CN
E41	1	MESOTRIONE-2,4-D DIMETHYLAMINE MIXT./CN
E42	1	MESOTRIONE-2,4-D ETHYL ESTER MIXT./CN
E43	1	MESOTRIONE-2,4-D ISOCTYL ESTER MIXT./CN
E44	1	MESOTRIONE-2,4-D MIXT./CN
E45	1	MESOTRIONE-2,4-D SODIUM SALT MIXT./CN
E46	1	MESOTRIONE-ACETOCHLOR MIXT./CN
E47	1	MESOTRIONE-ATRAZINE MIXT./CN
E48	1	MESOTRIONE-BENSULFURON-METHYL MIXT./CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.04	173.47
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-23.49

FILE 'CAPLUS' ENTERED AT 14:01:15 ON 25 JAN 2011

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FILE COVERS 1907 - 25 Jan 2011 VOL 154 ISS 5  
FILE LAST UPDATED: 24 Jan 2011 (20110124/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s US 2007-580363/ap  
L9 1 US 2007-580363/AP  
(US2007-580363/AP)

=> d ibib ind

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2011 ACS on STN  
ACCESSION NUMBER: 2005:523211 CAPLUS  
DOCUMENT NUMBER: 143:39502  
TITLE: Herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide  
INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph; Clemens, Christoppher Glen  
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
SOURCE: PCT Int. Appl., 48 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,			

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG

CA 2546408	A1	20050616	CA 2004-2546408	20041103
EP 1703792	A1	20060927	EP 2004-797556	20041103
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
AR 47133	A1	20060111	AR 2004-104422	20041129
US 20080058212	A1	20080306	US 2007-580363	20070129 <--
PRIORITY APPLN. INFO.:			US 2003-526053P	P 20031201
			US 2004-545302P	P 20040217
			WO 2004-EP12417	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

IPCI A01N0043-90 [ICM,7]; A01N0043-80 [ICS,7]; A01N0043-40 [ICS,7]; A01N0043-34 [ICS,7,C\*]; A01N0043-56 [ICS,7]; A01N0043-48 [ICS,7,C\*]; A01N0041-10 [ICS,7]; A01N0041-00 [ICS,7,C\*]; A01N0057-16 [ICS,7]; A01N0057-12 [ICS,7]; A01N0057-00 [ICS,7,C\*]; A01N0053-00 [ICS,7]; A01N0043-84 [ICS,7]; A01N0043-72 [ICS,7,C\*]; A01N0043-70 [ICS,7]; A01N0043-64 [ICS,7,C\*]; A01N0037-22 [ICS,7]; A01N0051-00 [ICS,7]

IPCR A01N0041-00 [I,C\*]; A01N0041-10 [I,A]; A01N0043-34 [I,C\*]; A01N0043-40 [I,A]; A01N0043-48 [I,C\*]; A01N0043-56 [I,A]; A01N0043-72 [I,C\*]; A01N0043-80 [I,A]; A01N0043-90 [I,C\*]; A01N0043-90 [I,A]

CC 5-3 (Agrochemical Bioregulators)

ST HPPD inhibiting herbicide insecticide compn

IT Herbicides

Insecticides

(herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide)

IT Bacillus sphaericus

Bacillus thuringiensis

Schoenocaulon

(mixts. with HPPD-inhibiting herbicides; herbicidal combinations)

IT Petroleum, biological studies

Pyrethrins

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(mixts. with HPPD-inhibiting herbicides; herbicidal combinations)

IT Toxins

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

( $\delta$ -endotoxins, mixts. with HPPD-inhibiting herbicides; herbicidal combinations)

IT 1912-24-9D, Atrazine, mesotrione-Cu and S-metolachlor and benoxacor mixture containing 7440-50-8D, Copper, mesotrione complexes, mixture containing 87392-12-9D, S-Metolachlor, mesotrione-Cu and benoxacor mixture containing 98730-04-2D, Benoxacor, mesotrione-Cu and S-metolachlor mixture containing 104206-82-8D, Mesotrione, copper complexes, mixture containing 104206-82-8D, Mesotrione, mixts. with insecticides 156963-66-5D, mixts. with insecticides 187270-87-7D, mixts. with insecticides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(herbicidal combination)

IT 50-29-3D, mixts. with HPPD-inhibiting herbicides 52-68-6D, mixts. with HPPD-inhibiting herbicides 54-11-5D, Nicotine, mixts. with HPPD-inhibiting herbicides 55-38-9D, Fenthion, mixts. with HPPD-inhibiting herbicides 56-23-5D, Carbon tetrachloride, mixts. with HPPD-inhibiting herbicides 56-38-2D, Parathion, mixts. with HPPD-inhibiting herbicides 56-72-4D, Coumaphos, mixts. with HPPD-inhibiting herbicides 58-89-9D, GammaHCH, mixts. with HPPD-inhibiting herbicides 60-51-5D, Dimethoate, mixts. with HPPD-inhibiting herbicides 60-57-1D, Dieldrin, mixts. with HPPD-inhibiting herbicides 62-73-7D, Dichlorovos, mixts. with HPPD-inhibiting herbicides 63-25-2D, Carbaryl, mixts. with HPPD-inhibiting herbicides 70-38-2D, Dimethrin, mixts. with



HPPD-inhibiting herbicides 72-43-5D, Methoxychlor, mixts. with  
HPPD-inhibiting herbicides 72-54-8D, TDE, mixts. with HPPD-inhibiting  
herbicides 74-83-9D, Methyl bromide, mixts. with HPPD-inhibiting  
herbicides 74-90-8D, Hydrogen cyanide, mixts. with HPPD-inhibiting  
herbicides 75-15-0D, Carbon disulfide, mixts. with HPPD-inhibiting  
herbicides 76-06-2D, Chloropicrin, mixts. with HPPD-inhibiting  
herbicides 76-44-8D, Heptachlor, mixts. with HPPD-inhibiting herbicides  
78-34-2D, Dioxathion, mixts. with HPPD-inhibiting herbicides 78-53-5D,  
Amiton, mixts. with HPPD-inhibiting herbicides 78-57-9D, Menazon, mixts.  
with HPPD-inhibiting herbicides 83-79-4D, Rotenone, mixts. with  
HPPD-inhibiting herbicides 86-50-0D, Azinphosmethyl, mixts. with  
HPPD-inhibiting herbicides 87-86-5D, Pentachlorophenol, mixts. with  
HPPD-inhibiting herbicides 97-17-6D, Dichlofenthion, mixts. with  
HPPD-inhibiting herbicides 106-93-4D, Ethylene dibromide, mixts. with  
HPPD-inhibiting herbicides 107-06-2D, Ethylene dichloride, mixts. with  
HPPD-inhibiting herbicides 107-13-1D, Acrylonitrile, mixts. with  
HPPD-inhibiting herbicides 107-49-3D, TEPP, mixts. with HPPD-inhibiting  
herbicides 112-80-1D, Oleic acid, mixts. with HPPD-inhibiting herbicides  
114-26-1D, Propoxur, mixts. with HPPD-inhibiting herbicides 115-26-4D,  
Dimefox, mixts. with HPPD-inhibiting herbicides 115-29-7D, Endosulfan,  
mixts. with HPPD-inhibiting herbicides 115-90-2D, Fensulfothion, mixts.  
with HPPD-inhibiting herbicides 116-01-8D, Ethoatemethyl, mixts. with  
HPPD-inhibiting herbicides 116-06-3D, Aldicarb, mixts. with  
HPPD-inhibiting herbicides 119-12-0D, Pyridaphenthion, mixts. with  
HPPD-inhibiting herbicides 121-75-5D, Malathion, mixts. with  
HPPD-inhibiting herbicides 122-14-5D, Fenitrothion, mixts. with  
HPPD-inhibiting herbicides 126-22-7D, Butonate, mixts. with  
HPPD-inhibiting herbicides 126-75-0D, Demeton-S, mixts. with  
HPPD-inhibiting herbicides 131-89-5D, Dinex, mixts. with HPPD-inhibiting  
herbicides 141-66-2D, Dicrotophos, mixts. with HPPD-inhibiting  
herbicides 143-50-0D, mixts. with HPPD-inhibiting herbicides  
144-41-2D, Morphothion, mixts. with HPPD-inhibiting herbicides 144-54-7,  
Metam 152-16-9D, Schradan, mixts. with HPPD-inhibiting herbicides  
297-78-9D, Isobenzan, mixts. with HPPD-inhibiting herbicides 298-00-0D,  
Parathion-methyl, mixts. with HPPD-inhibiting herbicides 298-02-2D,  
Phorate, mixts. with HPPD-inhibiting herbicides 298-03-3D, Demeton-O,  
mixts. with HPPD-inhibiting herbicides 298-04-4D, Disulfoton, mixts.  
with HPPD-inhibiting herbicides 299-86-5D, Crufomate, mixts. with  
HPPD-inhibiting herbicides 300-76-5D, Naled, mixts. with HPPD-inhibiting  
herbicides 301-12-2D, Oxydemetonmethyl, mixts. with HPPD-inhibiting  
herbicides 309-00-2D, Aldrin, mixts. with HPPD-inhibiting herbicides  
315-18-4D, Mexacarbate, mixts. with HPPD-inhibiting herbicides  
327-98-0D, Trichloronat, mixts. with HPPD-inhibiting herbicides  
333-41-5D, mixts. with HPPD-inhibiting herbicides 370-50-3D, Flucifuron,  
mixts. with HPPD-inhibiting herbicides 371-86-8D, Mipafon, mixts. with  
HPPD-inhibiting herbicides 465-73-6D, Isodrin, mixts. with  
HPPD-inhibiting herbicides 470-90-6D, mixts. with HPPD-inhibiting  
herbicides 494-52-0D, Anabasine, mixts. with HPPD-inhibiting herbicides  
533-74-4D, Dazomet, mixts. with HPPD-inhibiting herbicides 534-52-1D,  
DNOC, mixts. with HPPD-inhibiting herbicides 556-61-6D, Methyl  
isothiocyanate, mixts. with HPPD-inhibiting herbicides 563-12-2D,  
Ethion, mixts. with HPPD-inhibiting herbicides 572-48-5D, Coumthioate,  
mixts. with HPPD-inhibiting herbicides 584-79-2D, Bioallethrin, mixts.  
with HPPD-inhibiting herbicides 640-15-3D, Thiometon, mixts. with  
HPPD-inhibiting herbicides 644-64-4D, Dimetilan, mixts. with  
HPPD-inhibiting herbicides 671-04-5D, Carbanolate, mixts. with  
HPPD-inhibiting herbicides 682-80-4D, Demephion-O, mixts. with  
HPPD-inhibiting herbicides 732-11-6D, Phosmet, mixts. with  
HPPD-inhibiting herbicides 786-19-6D, Carbophenothion, mixts. with  
HPPD-inhibiting herbicides 867-27-6D, Demeton-O-methyl, mixts. with  
HPPD-inhibiting herbicides 919-76-6D, Amidithion, mixts. with  
HPPD-inhibiting herbicides 919-86-8D, ,Demeton-S-methyl, mixts. with

HPPD-inhibiting herbicides 944-22-9D, Fonofos, mixts. with  
 HPPD-inhibiting herbicides 947-02-4D, Phosfolan, mixts. with  
 HPPD-inhibiting herbicides 950-10-7D, Mephosfolan, mixts. with  
 HPPD-inhibiting herbicides 950-37-8D, Methidathion, mixts. with  
 HPPD-inhibiting herbicides 1071-83-6D, Glyphosate, mixts. with  
 HPPD-inhibiting herbicides and insecticides 1113-02-6D, Omethoate,  
 mixts. with HPPD-inhibiting herbicides 1129-41-5D, Metolcarb, mixts.  
 with HPPD-inhibiting herbicides 1303-96-4D, Borax, mixts. with  
 HPPD-inhibiting herbicides 1344-81-6D, Calcium polysulfide, mixts. with  
 HPPD-inhibiting herbicides 1563-66-2D, Carbofuran, mixts. with  
 HPPD-inhibiting herbicides 1563-67-3D, Decarbofuran, mixts. with  
 HPPD-inhibiting herbicides 1646-88-4D, Aldoxycarb, mixts. with  
 HPPD-inhibiting herbicides 1912-24-9D, Atrazine, mixts. with  
 HPPD-inhibiting herbicides and insecticides 1918-00-9D, Dicamba, mixts.  
 with HPPD-inhibiting herbicides and insecticides 2032-59-9D, Aminocarb,  
 mixts. with HPPD-inhibiting herbicides 2032-65-7D, Methiocarb, mixts.  
 with HPPD-inhibiting herbicides 2104-64-5D, EPN, mixts. with  
 HPPD-inhibiting herbicides 2104-96-3D, Bromophos, mixts. with  
 HPPD-inhibiting herbicides 2274-67-1D, Dimethylvinphos, mixts. with  
 HPPD-inhibiting herbicides 2275-14-1D, Phenkapton, mixts. with  
 HPPD-inhibiting herbicides 2275-18-5D, Prothoate, mixts. with  
 HPPD-inhibiting herbicides 2275-23-2D, Vamidothion, mixts. with  
 HPPD-inhibiting herbicides 2310-17-0D, Phosalone, mixts. with  
 HPPD-inhibiting herbicides 2385-85-5D, Mirex, mixts. with  
 HPPD-inhibiting herbicides 2425-10-7D, Xylylcarb, mixts. with  
 HPPD-inhibiting herbicides 2463-84-5D, Dicapthon, mixts. with  
 HPPD-inhibiting herbicides 2497-07-6D, Oxydisulfoton, mixts. with  
 HPPD-inhibiting herbicides 2540-82-1D, Formothion, mixts. with  
 HPPD-inhibiting herbicides 2550-75-6D, Chlorbicyclen, mixts. with  
 HPPD-inhibiting herbicides 2587-90-8D, Demephion-S, mixts. with  
 HPPD-inhibiting herbicides 2595-54-2D, Mecarbam, mixts. with  
 HPPD-inhibiting herbicides 2597-03-7D, Phenthoate, mixts. with  
 HPPD-inhibiting herbicides 2631-37-0D, Promecarb, mixts. with  
 HPPD-inhibiting herbicides 2631-40-5D, Isoproc carb, mixts. with  
 HPPD-inhibiting herbicides 2636-26-2D, Cyanophos, mixts. with  
 HPPD-inhibiting herbicides 2642-71-9D, Azinphosethyl, mixts. with  
 HPPD-inhibiting herbicides 2655-14-3D, XMC, mixts. with HPPD-inhibiting  
 herbicides 2655-19-8D, Butacarb, mixts. with HPPD-inhibiting herbicides  
 2669-32-1D, Lythidathion, mixts. with HPPD-inhibiting herbicides  
 2674-91-1D, Oxydeprofos, mixts. with HPPD-inhibiting herbicides  
 2699-79-8D, Sulfuryl fluoride, mixts. with HPPD-inhibiting herbicides  
 2778-04-3D, Endothion, mixts. with HPPD-inhibiting herbicides  
 2921-88-2D, ,Chloropyrifos, mixts. with HPPD-inhibiting herbicides  
 3383-96-8D, Temephos, mixts. with HPPD-inhibiting herbicides 3689-24-5D,  
 Sulfotep, mixts. with HPPD-inhibiting herbicides 3734-95-0D, Cyanthoate,  
 mixts. with HPPD-inhibiting herbicides 3761-41-9D, Mesulfenfos, mixts.  
 with HPPD-inhibiting herbicides 3766-81-2D, Fenobucarb, mixts. with  
 HPPD-inhibiting herbicides 3811-49-2D, Dioxabenzofos, mixts. with  
 HPPD-inhibiting herbicides 4151-50-2D, Sulfluramid, mixts. with  
 HPPD-inhibiting herbicides 4234-79-1D, Kelevan, mixts. with  
 HPPD-inhibiting herbicides 4824-78-6D, Bromophosethyl, mixts. with  
 HPPD-inhibiting herbicides 5221-49-8D, Pyrimitate, mixts. with  
 HPPD-inhibiting herbicides 5598-13-0D, mixts. with HPPD-inhibiting  
 herbicides 5598-52-7D, Fospirate, mixts. with HPPD-inhibiting herbicides  
 5826-76-6D, Phosnichlor, mixts. with HPPD-inhibiting herbicides  
 5827-05-4D, IPSP, mixts. with HPPD-inhibiting herbicides 5834-96-8D,  
 Azothoate, mixts. with HPPD-inhibiting herbicides 5915-41-3D,  
 Terbutylazine, mixts. with HPPD-inhibiting herbicides and insecticides  
 6164-98-3D, Chlordimeform, mixts. with HPPD-inhibiting herbicides  
 6392-46-7D, Allyxycarb, mixts. with HPPD-inhibiting herbicides  
 6923-22-4D, Monocrotophos, mixts. with HPPD-inhibiting herbicides  
 6988-21-2D, Dioxacarb, mixts. with HPPD-inhibiting herbicides

7219-78-5D, Mazidox, mixts. with HPPD-inhibiting herbicides 7292-16-2D, PPropaphos, mixts. with HPPD-inhibiting herbicides 7345-69-9D, GY-81, mixts. with HPPD-inhibiting herbicides 7681-49-4D, Sodium fluoride, mixts. with HPPD-inhibiting herbicides 7700-17-6D, Crotoxyphos, mixts. with HPPD-inhibiting herbicides 7786-34-7D, Mevinphos, mixts. with HPPD-inhibiting herbicides 7803-51-2D, Phosphine, mixts. with HPPD-inhibiting herbicides 8001-35-2D, Camphechlor, mixts. with HPPD-inhibiting herbicides 8022-00-2D, Demetonmethyl, mixts. with HPPD-inhibiting herbicides 8065-36-9D, Bufencarb, mixts. with HPPD-inhibiting herbicides 8065-48-3D, Demeton, mixts. with HPPD-inhibiting herbicides 8065-62-1, Demephion 10112-91-1D, Mercurous chloride, mixts. with HPPD-inhibiting herbicides 10265-92-6D, Methamidophos, mixts. with HPPD-inhibiting herbicides 10311-84-9D, Dialifos, mixts. with HPPD-inhibiting herbicides 10453-86-8D, Resmethrin, mixts. with HPPD-inhibiting herbicides 11141-17-6D, Azadirachtin, mixts. with HPPD-inhibiting herbicides 12407-86-2D, Trimethacarb, mixts. with HPPD-inhibiting herbicides 12789-03-6D, Chlordane, mixts. with HPPD-inhibiting herbicides 13067-93-1D, Cyanofenphos, mixts. with HPPD-inhibiting herbicides 13171-21-6D, Phosphamidon, mixts. with HPPD-inhibiting herbicides 13194-48-4D, Ethoprophos, mixts. with HPPD-inhibiting herbicides 13457-18-6D, Pyrazophos, mixts. with HPPD-inhibiting herbicides 13593-03-8D, Quinalphos, mixts. with HPPD-inhibiting herbicides 13593-08-3D, Quinalphosmethyl, mixts. with HPPD-inhibiting herbicides 14816-16-1D, Phoximmethyl,., mixts. with HPPD-inhibiting herbicides 14816-18-3D, Phoxim, mixts. with HPPD-inhibiting herbicides 14816-20-7D, mixts. with HPPD-inhibiting herbicides 15096-52-3D, Cryolite, mixts. with HPPD-inhibiting herbicides 15263-53-3D, Cartap, mixts. with HPPD-inhibiting herbicides 15589-31-8D, Terallethrin, mixts. with HPPD-inhibiting herbicides 16752-77-5D, Methomyl, mixts. with HPPD-inhibiting herbicides 16893-85-9D, Sodium hexafluorosilicate, mixts. with HPPD-inhibiting herbicides 17040-19-6D, mixts. with HPPD-inhibiting herbicides 17080-02-3D, Furethrin, mixts. with HPPD-inhibiting herbicides 17606-31-4D, Bensultap, mixts. with HPPD-inhibiting herbicides 18181-70-9D, Jodfenphos, mixts. with HPPD-inhibiting herbicides 18809-57-9, EMPC 18854-01-8D, Isoxathion, mixts. with HPPD-inhibiting herbicides 19691-80-6D, Athidathion, mixts. with HPPD-inhibiting herbicides 20425-39-2D, Pyresmethrin, mixts. with HPPD-inhibiting herbicides 21548-32-3D, Fosthietan, mixts. with HPPD-inhibiting herbicides 22259-30-9D, Formetanate, mixts. with HPPD-inhibiting herbicides 22439-40-3D, Quinothion, mixts. with HPPD-inhibiting herbicides 22781-23-3D, Bendiocarb, mixts. with HPPD-inhibiting herbicides 23031-36-9, Prallethrin 23103-98-2D, Pirimicarb, mixts. with HPPD-inhibiting herbicides 23135-22-0D, Oxamyl, mixts. with HPPD-inhibiting herbicides 23505-41-1D, Pirimiphosethyl, mixts. with HPPD-inhibiting herbicides 23560-59-0D, Heptenophos, mixts. with HPPD-inhibiting herbicides 24017-47-8D, Triazofos, mixts. with HPPD-inhibiting herbicides 24353-61-5D, mixts. with HPPD-inhibiting herbicides 24934-91-6D, mixts. with HPPD-inhibiting herbicides 25171-63-5D, Thiocarboxime, mixts. with HPPD-inhibiting herbicides 25311-71-1D, Isofenphos, mixts. with HPPD-inhibiting herbicides 25601-84-7D, Methocrotophos, mixts. with HPPD-inhibiting herbicides 26002-80-2D, Phenothrin, mixts. with HPPD-inhibiting herbicides 28434-00-6D, S-Bioallethrin, mixts. with HPPD-inhibiting herbicides 28434-01-7D, Bioresmethrin, mixts. with HPPD-inhibiting herbicides 29104-30-1D, Benzoximate, mixts. with HPPD-inhibiting herbicides 29173-31-7D, Mecarphon, mixts. with HPPD-inhibiting herbicides 29232-93-7D, Pirimiphosmethyl, mixts. with HPPD-inhibiting herbicides 29672-19-3D, Nitrilacarb, mixts. with HPPD-inhibiting herbicides 29973-13-5D, Ethiofencarb, mixts. with HPPD-inhibiting herbicides 30560-19-1D, Acephate, mixts. with HPPD-inhibiting herbicides 30864-28-9D, Methacrifos, mixts. with HPPD-inhibiting herbicides

31218-83-4D, Propetamphos, mixts. with HPPD-inhibiting herbicides  
 31377-69-2D, Pirimetaphos, mixts. with HPPD-inhibiting herbicides  
 31895-21-3D, Thiocyclam, mixts. with HPPD-inhibiting herbicides  
 33089-61-1D, Amitraz, mixts. with HPPD-inhibiting herbicides  
 33399-00-7D, Bromfeninfos, mixts. with HPPD-inhibiting herbicides  
 34264-24-9D, Promacyl, mixts. with HPPD-inhibiting herbicides  
 34643-46-4D, Prothiofos, mixts. with HPPD-inhibiting herbicides  
 34681-10-2D, Butocarboxim, mixts. with HPPD-inhibiting herbicides  
 34681-23-7D, Butoxycarboxim, mixts. with HPPD-inhibiting herbicides  
 35367-38-5D, Diflubenzuron, mixts. with HPPD-inhibiting herbicides  
 35400-43-2D, Sulprofos, mixts. with HPPD-inhibiting herbicides  
 35575-96-3D, Azamethiphos, mixts. with HPPD-inhibiting herbicides  
 36145-08-1D, Chlorprazophos, mixts. with HPPD-inhibiting herbicides  
 36614-38-7D, Isothioate, mixts. with HPPD-inhibiting herbicides  
 37764-25-3D, Dichlormid, mixts. with HPPD-inhibiting herbicides and  
 insecticides 38260-63-8D, Lirimfos, mixts. with HPPD-inhibiting  
 herbicides 38524-82-2D, Trifenofos, mixts. with HPPD-inhibiting  
 herbicides 39196-18-4D, Thiofanox, mixts. with HPPD-inhibiting  
 herbicides 39247-96-6D, Primidophos, mixts. with HPPD-inhibiting  
 herbicides 39515-40-7D, Cyphenothrin, mixts. with HPPD-inhibiting  
 herbicides 39515-41-8D, Fenpropathrin, mixts. with HPPD-inhibiting  
 herbicides 40085-57-2D, Tazimcarb, mixts. with HPPD-inhibiting  
 herbicides 40596-69-8D, Methoprene, mixts. with HPPD-inhibiting  
 herbicides 40596-80-3D, Triprene, mixts. with HPPD-inhibiting herbicides  
 41096-46-2D, Hydroprene, mixts. with HPPD-inhibiting herbicides  
 41198-08-7D, Profenofos, mixts. with HPPD-inhibiting herbicides  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicidal combinations)

IT 41219-31-2D, Dithicrofos, mixts. with HPPD-inhibiting herbicides  
 41219-32-3D, Thicrofos, mixts. with HPPD-inhibiting herbicides  
 42509-80-8D, Isazofos, mixts. with HPPD-inhibiting herbicides  
 42588-37-4D, Kinoprene, mixts. with HPPD-inhibiting herbicides  
 50864-67-0D, Barium polysulfide, mixts. with HPPD-inhibiting herbicides  
 51218-45-2D, Metolachlor, mixts. with HPPD-inhibiting herbicides and  
 insecticides 51596-10-2D, Milbemectin, mixts. with HPPD-inhibiting  
 herbicides 51630-58-1D, Fenvalerate, mixts. with HPPD-inhibiting  
 herbicides 51877-74-8D, Biopermethrin, mixts. with HPPD-inhibiting  
 herbicides 52207-48-4D, Thiosultapsodium, mixts. with HPPD-inhibiting  
 herbicides 52315-07-8, Cypermethrin 52315-07-8D, Zetacypermethrin,  
 mixts. with HPPD-inhibiting herbicides 52645-53-1, Permethrin  
 52918-63-5D, Deltamethrin, mixts. with HPPD-inhibiting herbicides  
 54406-48-3, Empenthrin 54593-83-8D, Chlorethoxyfos, mixts. with  
 HPPD-inhibiting herbicides 55285-14-8D, Carbosulfan, mixts. with  
 HPPD-inhibiting herbicides 57342-02-6D, Epofenonane, mixts. with  
 HPPD-inhibiting herbicides 57960-19-7D, Acequinocyl, mixts. with  
 HPPD-inhibiting herbicides 58769-20-3D, RU 15525, mixts. with  
 HPPD-inhibiting herbicides 58842-20-9D, Nithiazine, mixts. with  
 HPPD-inhibiting herbicides 59669-26-0D, Thiodicarb, mixts. with  
 HPPD-inhibiting herbicides 60238-56-4D, Chlorthiophos, mixts. with  
 HPPD-inhibiting herbicides 60589-06-2D, Metoxadiazone, mixts. with  
 HPPD-inhibiting herbicides 61444-62-0D, Nifluridide, mixts. with  
 HPPD-inhibiting herbicides 61949-77-7D, trans-Permethrin, mixts. with  
 HPPD-inhibiting herbicides 63837-33-2D, Diofenolan, mixts. with  
 HPPD-inhibiting herbicides 63935-38-6, Cycloprothrin 64628-44-0D,  
 Triflumuron, mixts. with HPPD-inhibiting herbicides 65907-30-4D,  
 Furathiocarb, mixts. with HPPD-inhibiting herbicides 66215-27-8D,  
 Cyromazine, mixts. with HPPD-inhibiting herbicides 66230-04-4,  
 Esfenvalerate 66841-25-6D, Tralomethrin, mixts. with HPPD-inhibiting  
 herbicides 67375-30-8D, Alphacypermethrin, mixts. with HPPD-inhibiting  
 herbicides 67485-29-4D, Hydramethylnon, mixts. with HPPD-inhibiting  
 herbicides 68085-85-8D, Cyhalothrin, mixts. with HPPD-inhibiting  
 herbicides 68359-37-5D, Betacyfluthrin, mixts. with HPPD-inhibiting

herbicides 68523-18-2D, Fenpirithrin, mixts. with HPPD-inhibiting  
herbicides 69327-76-0D, Buprofezin, mixts. with HPPD-inhibiting  
herbicides 69409-94-5D, Fluvalinate, mixts. with HPPD-inhibiting  
herbicides 69770-45-2D, Flumethrin, mixts. with HPPD-inhibiting  
herbicides 70124-77-5D, Flucythrinate, mixts. with HPPD-inhibiting  
herbicides 71422-67-8D, Chlorfluazuron, mixts. with HPPD-inhibiting  
herbicides 71697-59-1D, Thetacypermethrin, mixts. with HPPD-inhibiting  
herbicides 71751-41-2D, Abamectin, mixts. with HPPD-inhibiting  
herbicides 72490-01-8D, Fenoxycarb, mixts. with HPPD-inhibiting  
herbicides 72850-64-7D, Flurazole, mixts. with HPPD-inhibiting  
herbicides and insecticides 72963-72-5D, Imiprothrin, mixts. with  
HPPD-inhibiting herbicides 75867-00-4D, Fenfluthrin, mixts. with  
HPPD-inhibiting herbicides 79538-32-2D, Tefluthrin, mixts. with  
HPPD-inhibiting herbicides 80060-09-9, Diafenthiuron 82560-54-1D,  
Benfuracarb, mixts. with HPPD-inhibiting herbicides 82657-04-3D,  
Bifenthrin, mixts. with HPPD-inhibiting herbicides 83121-18-0D,  
Teflubenzuron, mixts. with HPPD-inhibiting herbicides 83130-01-2D,  
Alanycarb, mixts. with HPPD-inhibiting herbicides 83733-82-8,  
Fosmethilan 84466-05-7D, Amidoflumet, mixts. with HPPD-inhibiting  
herbicides 86479-06-3D, HExaflumuron, mixts. with HPPD-inhibiting  
herbicides 87392-12-9D, s-Metolachlor, mixts. with HPPD-inhibiting  
herbicides and insecticides 88349-88-6D, Cloquintocet, mixts. with  
HPPD-inhibiting herbicides and insecticides 88485-37-4D, Fluxofenim,  
mixts. with HPPD-inhibiting herbicides and insecticides 89784-60-1D,  
Pyraclofos, mixts. with HPPD-inhibiting herbicides 90338-20-8D,  
Butathiofos, mixts. with HPPD-inhibiting herbicides 91465-08-6D, mixts.  
with HPPD-inhibiting herbicides 94125-34-5D, Prosulfuron, mixts. with  
HPPD-inhibiting herbicides and insecticides 95465-99-9D, Cadusafos,  
mixts. with HPPD-inhibiting herbicides 95737-68-1D, Pyriproxyfen, mixts.  
with HPPD-inhibiting herbicides 96182-53-5D, Tebupirimfos, mixts. with  
HPPD-inhibiting herbicides 96489-71-3D, Pyridaben, mixts. with  
HPPD-inhibiting herbicides 98730-04-2D, Benoxacor, mixts. with  
HPPD-inhibiting herbicides and insecticides 98886-44-3D, Fosthiazate,  
mixts. with HPPD-inhibiting herbicides 101007-06-1D, Acrinathrin, mixts.  
with HPPD-inhibiting herbicides 102851-06-9D, Taufluvalinate, mixts.  
with HPPD-inhibiting herbicides 103055-07-8D, Lufenuron, mixts. with  
HPPD-inhibiting herbicides 105024-66-6D, Silafluofen, mixts. with  
HPPD-inhibiting herbicides 105779-78-0D, Pyrimidifen, mixts. with  
HPPD-inhibiting herbicides 107713-58-6D, Flufenprox, mixts. with  
HPPD-inhibiting herbicides 111988-49-9D, Thiacloprid, mixts. with  
HPPD-inhibiting herbicides 111991-09-4D, Nicosulfuron, mixts. with  
HPPD-inhibiting herbicides and insecticides 112143-82-5D, Triazamate,  
mixts. with HPPD-inhibiting herbicides 112226-61-6D, Halofenozide,  
mixts. with HPPD-inhibiting herbicides 112410-23-8D, Tebufenozide,  
mixts. with HPPD-inhibiting herbicides 112636-83-6D, Dicyclanil, mixts.  
with HPPD-inhibiting herbicides 113036-87-6D, Primisulfuron, mixts. with  
HPPD-inhibiting herbicides and insecticides 113036-88-7D, Flucycloxuron,  
mixts. with HPPD-inhibiting herbicides 114797-39-6D, Methothrin, mixts.  
with HPPD-inhibiting herbicides 116714-46-6D, Novaluron, mixts. with  
HPPD-inhibiting herbicides 118712-89-3D, Transfluthrin, mixts. with  
HPPD-inhibiting herbicides 119791-41-2D, Eamectin, mixts. with  
HPPD-inhibiting herbicides 120068-37-3D, Fipronil, mixts. with  
HPPD-inhibiting herbicides 121451-02-3, Noviflumuron 121776-33-8D,  
Furilazole, mixts. with HPPD-inhibiting herbicides and insecticides  
122453-73-0D, Chlorfenapyr, mixts. with HPPD-inhibiting herbicides  
122705-57-1D, mixts. with HPPD-inhibiting herbicides 122931-48-0D,  
Rimsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides  
123312-89-0D, Pymetrozine, mixts. with HPPD-inhibiting herbicides  
129558-76-5D, Tolfenpyrad, mixts. with HPPD-inhibiting herbicides  
135410-20-7D, Acetamiprid, mixts. with HPPD-inhibiting herbicides  
138261-41-3D, Imidacloprid, mixts. with HPPD-inhibiting herbicides  
143807-66-3D, Chromafenozide, mixts. with HPPD-inhibiting herbicides

145099-21-4D, Trifloxysulfuron., mixts. with HPPD-inhibiting herbicides and insecticides 148477-71-8D, Spirodiclofen, mixts. with HPPD-inhibiting herbicides 149877-41-8D, Bifenazate, mixts. with HPPD-inhibiting herbicides 150824-47-8D, Nitenpyram, mixts. with HPPD-inhibiting herbicides 153233-91-1D, Etoxazole, mixts. with HPPD-inhibiting herbicides 153719-23-4D, Thiamethoxam, mixts. with HPPD-inhibiting herbicides 158062-67-0D, Flonicamid, mixts. with HPPD-inhibiting herbicides 160791-64-0D, ZXI 8901., mixts. with HPPD-inhibiting herbicides 161050-58-4D, Methoxyfenozide, mixts. with HPPD-inhibiting herbicides 163515-14-8D, Dimethenamid P, mixts. with HPPD-inhibiting herbicides and insecticides 165252-70-0D, Dinotefuran, mixts. with HPPD-inhibiting herbicides 170015-32-4D, Flufennerim, mixts. with HPPD-inhibiting herbicides 173159-57-4D, Foramsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides 173584-44-6D, Indoxacarb, mixts. with HPPD-inhibiting herbicides 179101-81-6D, Pyridalyl, mixts. with HPPD-inhibiting herbicides 181587-01-9D, Ethiprole, mixts. with HPPD-inhibiting herbicides 201593-84-2D, Bistrifluron, mixts. with HPPD-inhibiting herbicides 209861-58-5D, Acetoprole, mixts. with HPPD-inhibiting herbicides 209866-92-2D, Isoxadifen, mixts. with HPPD-inhibiting herbicides and insecticides 210880-92-5D, Clothianidin, mixts. with HPPD-inhibiting herbicides 229977-93-9D, Fluacrypyrim, mixts. with HPPD-inhibiting herbicides 231937-89-6D, mixts. with HPPD-inhibiting herbicides 283594-90-1D, Spiromesifen, mixts. with HPPD-inhibiting herbicides 500790-39-6D, mixts. with HPPD-inhibiting herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(herbicidal combinations)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L1 1971355 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HALIDE OR CHLORIDE OR  
IODIDE OR BROMIDE OR FLOURIDE OR ASTATIDE  
L2 4741868 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON METAL OR METALLIC OR  
SILVER OR COPPER OR GOLD OR ZINC OR CERIUM OR PLATINUM OR  
PALLADIUM OR TIN  
L3 277541 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L1 (5A) L2  
L4 11942 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L3 (5A) (COAT OR  
COATED OR COATING OR FILM)  
L5 4853 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L4 AND (SURFACE OR  
SUBSTRATE)  
L6 169 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L5 AND (NANOPARTICLE  
OR NANOPARTICULATE)  
L7 1210 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L4 (S) (SURFACE OR  
SUBSTRATE)  
L8 27 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L7 AND (NANOPARTICLE  
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D L8 IBIB HIT ABS 1-27

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L9 1 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON US 2007-580363/AP

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.67	179.14

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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NEWS	5	OCT 22	New version of STN Viewer preserves custom highlighting of terms when patent documents are saved in .rtf format
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NEWS	7	NOV 03	New format for Korean patent application numbers in CA/CAPLUS increases consistency, saves time.
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NEWS	17	JAN 26	Improved Timeliness of CAS Indexing Adds Value to USPATFULL and USPAT2 Chemistry Patents
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 CN 1100Y  
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 CN 1300Y  
 CN 1300YM  
 CN 1300YP  
 CN 1400 YP  
 CN 1721 Gold  
 CN 200RL  
 CN 22BB400  
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 CN 3EC  
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 CN 3EC-III  
 CN 3EC-M3S-HTE  
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 CN 3EC3  
 CN 3L Fire  
 CN 3L3  
 CN AFS-Cu  
 CN Allbri Natural Copper  
 CN AM-FN  
 CN Amiplus Cu  
 CN Arwood copper  
 CN ATS Adocopper IW  
 CN B 60P05  
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 CN BHY 13HT  
 CN BHY 13T  
 CN BHY 22B

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 133353-46-5, 133353-47-6, 65555-90-0, 72514-83-1, 195161-80-9

MF Cu

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA,  
 CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSNB,  
 DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,  
 ENCOMPPAT2, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS,  
 NAPRALERT, PIRA, RTECS\*, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU  
 (\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Cu

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

651536 REFERENCES IN FILE CA (1907 TO DATE)  
31408 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
656211 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e mesotrione/cn

E1	1	MESOTOL/CN
E2	1	MESOTRIN/CN
E3	1 -->	MESOTRIONE/CN
E4	1	MESOTRIONE-2,4-D BUTYL ESTER MIXT./CN
E5	1	MESOTRIONE-2,4-D DIMETHYLAMINE MIXT./CN
E6	1	MESOTRIONE-2,4-D ETHYL ESTER MIXT./CN
E7	1	MESOTRIONE-2,4-D ISOOCTYL ESTER MIXT./CN
E8	1	MESOTRIONE-2,4-D MIXT./CN
E9	1	MESOTRIONE-2,4-D SODIUM SALT MIXT./CN
E10	1	MESOTRIONE-ACETOCHLOR MIXT./CN
E11	1	MESOTRIONE-ATRAZINE MIXT./CN
E12	1	MESOTRIONE-BENSULFURON-METHYL MIXT./CN

=> s e3

L3 1 MESOTRIONE/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2011 ACS on STN  
RN 104206-82-8 REGISTRY  
ED Entered STN: 13 Sep 1986  
CN 1,3-Cyclohexanedione, 2-[4-(methylsulfonyl)-2-nitrobenzoyl]- (CA INDEX NAME)

OTHER NAMES:

CN Callisto

CN **Mesotrione**

CN Tenacity

CN Tenacity (herbicide)

CN ZA 1296

DR 207996-81-4, 435270-61-4

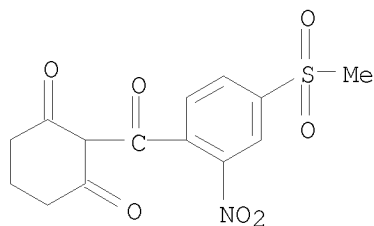
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CI COM

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LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSNB, DDFU, DRUGU, MRCK\*, PATDPASPC, PIRA, RTECS\*, TOXCENTER, ULIDAT, USPAT2, USPATFULL

(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

479 REFERENCES IN FILE CA (1907 TO DATE)  
 153 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 484 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	12.04	12.27

FILE 'REGISTRY' ENTERED AT 11:34:05 ON 26 JAN 2011  
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STRUCTURE FILE UPDATES: 25 JAN 2011 HIGHEST RN 1260485-87-7  
 DICTIONARY FILE UPDATES: 25 JAN 2011 HIGHEST RN 1260485-87-7

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 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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=> s 104206-82-8D
L4      0 104206-82-8D
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L5      1 104206-82-8
        (104206-82-8/RN)
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=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	0.51	12.78

FILE 'CAPLUS' ENTERED AT 11:34:45 ON 26 JAN 2011  
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FILE COVERS 1907 - 26 Jan 2011 VOL 154 ISS 5  
FILE LAST UPDATED: 25 Jan 2011 (20110125/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

Caplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 104206-82-8D  
L6 153 104206-82-8D

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.88	15.66

FILE 'REGISTRY' ENTERED AT 11:34:59 ON 26 JAN 2011  
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DICTIONARY FILE UPDATES: 25 JAN 2011 HIGHEST RN 1260485-87-7

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E13	1	CHLORPYRAMINE/CN
E14	1	CHLORPYRAMINE HYDROCHLORIDE/CN
E15	1 -->	CHLORPYRIFOS/CN
E16	1	CHLORPYRIFOS E/CN
E17	1	CHLORPYRIFOS M/CN
E18	1	CHLORPYRIFOS MIXT. WITH BERBERINE/CN
E19	1	CHLORPYRIFOS OXON/CN
E20	1	CHLORPYRIFOS OXONASE/CN
E21	1	CHLORPYRIFOS, MIXT. WITH PYRETHRINS AND PIPERONYL BUTOXIDE/CN
E22	1	CHLORPYRIFOS-1,1,1-TRICHLOROETHANE MIXT./CN
E23	1	CHLORPYRIFOS-ABAMECTIN MIXT./CN
E24	1	CHLORPYRIFOS-ACEPHATE MIXT./CN

=> s e15

L7 1 CHLORPYRIFOS/CN

=> e chlorpyrifos-methyl/cn

E25	1	CHLORPYRIFOS-LAMBDA-CYHALOTHRIN MIXT./CN
E26	1	CHLORPYRIFOS-MALATHION MIXT./CN
E27	1 -->	CHLORPYRIFOS-METHYL/CN
E28	1	CHLORPYRIFOS-METHYL METHOPRENE MIXT./CN
E29	1	CHLORPYRIFOS-METHYL OXON/CN
E30	1	CHLORPYRIFOS-METHYL-BIORESMETHRIN MIXT./CN
E31	1	CHLORPYRIFOS-METHYL-CYHALOTHRIN MIXT./CN
E32	1	CHLORPYRIFOS-METHYL-CYPERMETHRIN MIXT./CN
E33	1	CHLORPYRIFOS-METHYL-DELTAMETHRIN MIXT./CN
E34	1	CHLORPYRIFOS-MINERAL OIL MIXT./CN
E35	1	CHLORPYRIFOS-NITENPYRAM MIXT./CN
E36	1	CHLORPYRIFOS-PERMETHRIN MIXT./CN

=> s e27

L8 1 CHLORPYRIFOS-METHYL/CN

=> e terbufos/cn

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E38	1	TERBUFICIN/CN
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E40	1	TERBUFOS OXON/CN
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E42	1	TERBUFOS OXON SULFOXIDE/CN
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E44	1	TERBUFOS SULFOXIDE/CN
E45	1	TERBUFOS-IKI 220 MIXT./CN
E46	1	TERBUFOS-PIPERONYL BUTOXIDE MIXT./CN
E47	1	TERBUFOXON/CN
E48	1	TERBUFOXON SULFONE/CN

=> s e39

L9 1 TERBUFOS/CN

=> s tefluthrin/cn

L10 1 TEFLUTHRIN/CN

=> e tefluthrin/cn

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E51	1 -->	TEFLUTHRIN/CN
E52	1	TEFLUTHRIN CS/CN

E53	1	TEFLUTHRIN-ACEPHATE MIXT./CN
E54	1	TEFLUTHRIN-AVERMECTIN MIXT./CN
E55	1	TEFLUTHRIN-BUTYLENE-FIPRONIL MIXT./CN
E56	1	TEFLUTHRIN-CHLORPYRIFOS MIXT./CN
E57	1	TEFLUTHRIN-CLOTHIANIDIN MIXT./CN
E58	1	TEFLUTHRIN-DIAZINON MIXT./CN
E59	1	TEFLUTHRIN-FIPRONIL MIXT./CN
E60	1	TEFLUTHRIN-IKI 220 MIXT./CN

=> e thiamethoxam/cn

E61	1	THIAMETHAXAM/CN
E62	1	THIAMETHON/CN
E63	1	--> THIAMETHOXAM/CN
E64	1	THIAMETHOXAM-AVERMECTIN MIXT./CN
E65	1	THIAMETHOXAM-BACILLUS FIRMUS MIXT./CN
E66	1	THIAMETHOXAM-BETA-CYFLUTHRIN MIXT./CN
E67	1	THIAMETHOXAM-CHLORANTRANILIPROLE MIXT./CN
E68	1	THIAMETHOXAM-CHLORFENAPYR MIXT./CN
E69	1	THIAMETHOXAM-CYHALOTHRIN MIXT./CN
E70	1	THIAMETHOXAM-DICHLORBENZURON MIXT./CN
E71	1	THIAMETHOXAM-DICHLORVOS MIXT./CN
E72	1	THIAMETHOXAM-DIFENOCONAZOLE-FLUDIOXONIL-METALAXYL-M MIXT./CN

=> s e63

L11	1	THIAMETHOXAM/CN
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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	31.56	47.22

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FILE COVERS 1907 - 26 Jan 2011 VOL 154 ISS 5  
 FILE LAST UPDATED: 25 Jan 2011 (20110125/ED)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

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=> s 16 and (17 or 18 or 19 or 110 or 111)  
 10634 L7  
 1845 L8  
 1231 L9  
 629 L10  
 1625 L11  
 L12 19 L6 AND (L7 OR L8 OR L9 OR L10 OR L11)

=> d 112 ibib hit abs 1-19

L12 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN  
 ACCESSION NUMBER: 2010:1605107 CAPLUS  
 DOCUMENT NUMBER: 154:57527  
 TITLE: Synergistic mixtures of azolylmethyloxiranes and fungicides  
 INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens; Ulmschneider, Sarah; Glaettli, Alice; Vrettou-Schultes, Marianna; Stolz, Silke  
 PATENT ASSIGNEE(S): BASF SE, Germany  
 SOURCE: PCT Int. Appl., 102pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146032	A2	20101223	WO 2010-EP58342	20100615
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			EP 2009-162832	A 20090616
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 containing  
 31717-87-0D, mixts. containing 31895-21-3D, mixts. containing 32809-16-8D,  
 mixts. containing 33629-47-9D, mixts. containing 34014-18-1D, mixts.  
 containing  
 34123-59-6D, mixts. containing 34256-82-1D, mixts. containing 34622-58-7D,  
 mixts. containing 34643-46-4D, mixts. containing 35367-38-5D, mixts.  
 containing  
 35400-43-2D, mixts. containing 35554-44-0D, mixts. containing 35575-96-3D,  
 mixts. containing 35597-43-4D, mixts. containing 36335-67-8D, mixts.  
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 36734-19-7D, mixts. containing 37248-47-8D, mixts. containing 37306-12-0D,  
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic mixts. of azolylmethyloxiranes and fungicides)  
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 containing  
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 containing  
 41483-43-6D, mixts. containing 41814-78-2D, mixts. containing 42576-02-3D,

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mixts. containing	51218-49-6D, mixts. containing	51235-04-2D, mixts.
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containing		
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containing		
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mixts. containing	74712-19-9D, mixts. containing	74738-17-3D, mixts.
containing		
76280-91-6D, mixts. containing	76578-12-6D, mixts. containing	76608-88-3D,
mixts. containing	76674-21-0D, mixts. containing	76738-62-0D, mixts.
containing		

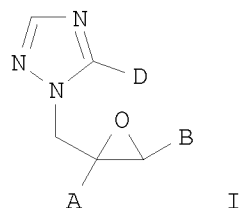
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic mixts. of azolylmethyloxiranes and fungicides)  
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic mixts. of azolylmethyloxiranes and fungicides)

GI



AB The invention relates to fungicidal mixts. which comprise (1) azolylmethyloxiranes of general formula I, wherein the variables are defined as in the application, (2) a fungicidal compound II, and (3) optionally another fungicidal compound II as the active components, the compds. II of components 2 and 3 being independently selected from among the compds. described in the application with the proviso that components 2 and components 3 are not the same. The invention also relates to the use of the fungicidal mixts. for the control of phytopathogenic fungi and to agents containing said mixts.

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DOCUMENT NUMBER: 154:57521

TITLE: Synergistic fungicidal mixtures of azolylmethyloxiranes

INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens; Ulmschneider, Sarah; Glaettli, Alice; Vrettou-Schultes, Marianna; Stolz, Silke

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 216pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146006	A2	20101223	WO 2010-EP58257	20100611
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2009-163122 A 20090618

EP 2009-179324 A 20091215

IT 52-51-7D, mixts. containing 52-68-6D, mixts. containing 55-38-9D, mixts. containing 56-38-2D, mixts. containing 57-92-1D, mixts. containing

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mixts. containing 78-48-8D, mixts. containing 79-57-2D, mixts. containing  
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 containing 92-52-4D, 1,1'-Biphenyl, mixts. containing 93-65-2D, mixts.  
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 99-30-9D,  
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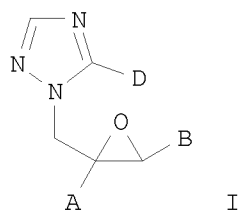
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 mixts. containing 35597-43-4D, mixts. containing 36335-67-8D, mixts.  
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	mixts. containing	40487-42-1D, mixts. containing	40843-25-2D, mixts.
containing	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)		
	(synergistic fungicidal mixts. of azolylmethyloxiranes)		
IT	41198-08-7D, mixts. containing	41205-21-4D, mixts. containing	41394-05-2D, mixts. containing
	41483-43-6D, mixts. containing	41814-78-2D, mixts.	
containing	42576-02-3D, mixts. containing	42609-52-9D, mixts. containing	42874-03-3D, mixts. containing
	43121-43-3D, mixts. containing	43222-48-6D, mixts.	
containing	49866-87-7D, mixts. containing	50471-44-8D, mixts. containing	50512-35-1D, mixts. containing
	50563-36-5D, mixts. containing	50594-66-6D, mixts.	
containing	51218-45-2D, mixts. containing	51218-49-6D, mixts. containing	51235-04-2D, mixts. containing
	51276-47-2D, mixts. containing	51630-58-1D, mixts.	
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containing	55814-41-0D, mixts. containing	56425-91-3D, mixts. containing	57018-04-9D, mixts. containing
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 127277-53-6D,  
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. of azolylmethyloxiranes)

GI



AB The invention relates to fungicidal mixts. which comprise (1)  
 azolylmethyloxiranes of general formula I, wherein the variables are  
 defined as in the application, (2) a fungicidal compound II, and (3)  
 optionally another fungicidal compound II as the active components, the  
 compds. II of components 2 and 3 being independently selected from among  
 the compds. described in the application. The invention also relates to  
 the use of the fungicidal mixts. for the control of phytopathogenic fungi  
 and to agents containing said mixts.

L12 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1600610 CAPLUS

DOCUMENT NUMBER: 154:57520

TITLE: Synergistic fungicidal mixtures of sulfur-containing  
 triazole compounds with other compounds.

INVENTOR(S): Dietz, Jochen; Grote, Thomas; Haden, Egon; Mueller, Bernd; Lohmann, Jan Klaas; Renner, Jens; Ulmschneider, Sarah; Glaettli, Alice; Vrettou-Schultes, Marianna; Grammenos, Wassilios

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 114pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010145999	A2	20101223	WO 2010-EP58227	20100611
<p>W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW</p> <p>RW: AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM</p>				
PRIORITY APPLN. INFO.: EP 2009-163125 A 20090618				
<p>IT 52-51-7D, mixts. containing 52-68-6D, mixts. containing 55-38-9D, mixts. containing 56-38-2D, mixts. containing 57-92-1D, mixts. containing 60-51-5D, mixts. containing 61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing 62-73-7D, mixts. containing 63-25-2D, mixts. containing 67-48-1D, mixts. containing 76-87-9D, mixts. containing 77-06-5D, mixts. containing 77-19-0D, mixts. containing 78-48-8D, mixts. containing 79-57-2D, mixts. containing 82-68-8D, mixts. containing 86-50-0D, mixts. containing 86-87-3D, 1-Naphthaleneacetic acid, mixts. containing 87-51-4D, 1H-Indole-3-acetic acid, mixts. containing 87-86-5D, salts, mixts. containing 88-82-4D, mixts. containing 92-52-4D, 1,1'-Biphenyl, mixts. containing 93-65-2D, mixts. containing 94-74-6D, mixts. containing 94-75-7D, mixts. containing 94-81-5D, mixts. containing 94-82-6D, mixts. containing 97-23-4D, mixts. containing 99-30-9D, mixts. containing 101-05-3D, mixts. containing 108-48-5D, mixts. containing 112-65-2D, mixts. containing 113-00-8D, Guanidine, mixts. containing 114-26-1D, mixts. containing 116-06-3D, mixts. containing 117-18-0D, mixts. containing 118-74-1D, mixts. containing 120-36-5D, mixts. containing 121-21-1D, mixts. containing 121-29-9D, mixts. containing 121-75-5D, mixts. containing 122-14-5D, mixts. containing 122-34-9D, mixts. containing 122-39-4D, mixts. containing 123-33-1D, mixts. containing 124-58-3D, mixts. containing 132-66-1D, mixts. containing 133-06-2D, mixts. containing 133-07-3D, mixts. containing 137-26-8D, mixts. containing 137-30-4D, mixts. containing 141-66-2D, mixts. containing 142-71-2D, mixts. containing 144-54-7D, mixts. containing 145-73-3D, mixts. containing 148-79-8D, mixts. containing 298-00-0D, mixts. containing 298-02-2D, mixts. containing 298-04-4D, mixts. containing 301-12-2D, mixts. containing 311-45-5D, mixts. containing 314-40-9D, mixts. containing 330-54-1D, mixts. containing 330-55-2D, mixts. containing 333-41-5D, mixts. containing</p>				

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21293-29-8D, mixts. containing	21452-14-2D, mixts. containing	21725-46-2D, mixts.
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22936-75-0D, mixts. containing	22976-87-0D, mixts. containing	23031-36-9D, mixts.
23103-98-2D, mixts. containing	23135-22-0D, mixts.	
23184-66-9D, mixts. containing	23564-05-8D, mixts. containing	23602-78-0D, mixts.
23950-58-5D, mixts. containing	24017-47-8D, mixts.	
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25057-89-0D, mixts. containing	25319-90-8D, mixts.	
25606-41-1D, mixts. containing	26087-47-8D, mixts. containing	26225-79-6D, mixts.
26530-20-1D, mixts. containing	26644-46-2D, mixts.	
27314-13-2D, mixts. containing	27355-22-2D, mixts. containing	27605-76-1D, mixts.
28249-77-6D, mixts. containing	29091-21-2D, mixts.	
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31895-21-3D, mixts. containing	32809-16-8D, mixts.	
33629-47-9D, mixts. containing	34014-18-1D, mixts. containing	34123-59-6D, mixts.
34256-82-1D, mixts. containing	34622-58-7D, mixts.	
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35554-44-0D, mixts. containing	35575-96-3D, mixts.	
35597-43-4D, mixts. containing	36335-67-8D, mixts. containing	36734-19-7D, mixts.
37248-47-8D, mixts. containing	39148-24-8D, mixts.	
39300-45-3D, mixts. containing	39515-40-7D, mixts. containing	39515-41-8D, mixts.
39807-15-3D, mixts. containing	40164-67-8D, mixts.	
40487-42-1D, mixts. containing	40843-25-2D, mixts. containing	
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal mixts. of sulfur-containing triazole compds. with other compds.)		
41198-08-7D, mixts. containing	41205-21-4D, mixts. containing	41394-05-2D, mixts.
41483-43-6D, mixts. containing	41814-78-2D, mixts.	
42576-02-3D, mixts. containing	42609-52-9D, mixts. containing	42874-03-3D, mixts.
43121-43-3D, mixts. containing	43222-48-6D, mixts.	
49866-87-7D, mixts. containing	50471-44-8D, mixts. containing	50512-35-1D, mixts.
50563-36-5D, mixts. containing	50594-66-6D, mixts.	
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51276-47-2D, mixts. containing	51630-58-1D, mixts.	
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52570-16-8D, mixts. containing	52645-53-1D, mixts.	
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55290-64-7D, mixts. containing	55512-33-9D, mixts.	
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containing	57837-19-1D, mixts.	containing	57966-95-7D, mixts.
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containing	59669-26-0D, mixts.	containing	58810-48-3D, mixts.
mixts. containing	60207-31-0D, mixts.	containing	59756-60-4D, mixts.
containing	61213-25-0D, mixts.	containing	60168-88-9D, mixts.
mixts. containing	62865-36-5D, mixts.	containing	60207-90-1D, mixts.
containing	63284-71-9D, mixts.	containing	61432-55-1D, mixts.
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containing	64902-72-3D, mixts.	containing	62924-70-3D, mixts.
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containing	67375-30-8D, mixts.	containing	65907-30-4D, mixts.
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containing	68157-60-8D, mixts.	containing	66246-88-6D, mixts.
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<b>79538-32-2D</b> , mixts.	containing	containing	70630-17-0D, mixts.
79622-59-6D, mixts.	containing	containing	71561-11-0D, mixts.
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		containing	



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123342-93-8D, mixts. containing 123572-88-3D, mixts. containing  
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 126801-58-9D,  
 mixts. containing 126833-17-8D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. of sulfur-containing triazole compds. with  
 other compds.)

AB The invention relates to fungicidal mixts. which comprise (1)  
 sulfur-containing triazole compds. as described in the application, (2) a  
 fungicidal compound, and (3) optionally another fungicidal compound as the  
 active components. The invention also relates to the use of the  
 fungicidal mixts. for the control of phytopathogenic fungi and to agents  
 containing said mixts.

L12 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1597847 CAPLUS

DOCUMENT NUMBER: 154:57517

TITLE: Synergistic fungicidal mixtures of  
 azolylmethyloxiranes

INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens;  
 Ulmschneider, Sarah; Glaettli, Alice;  
 Vrettou-Schultes, Marianna; Stolz, Silke

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 308pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146031	A2	20101223	WO 2010-EP58341	20100615
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,			
	CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG,			
	ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP,			
	KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA,			
	MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE,			
	PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV,			
	SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR,			
	HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE,			
	SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,			
	NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ,			
	TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2009-162818 A 20090616

EP 2009-175202 A 20091106

IT 52-51-7D, mixts. containing 52-68-6D, mixts. containing 55-38-9D, mixts.  
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60-51-5D,

mixts. containing 61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing  
 62-73-7D, mixts. containing 63-25-2D, mixts. containing 67-48-1D, mixts.  
 containing 76-87-9D, mixts. containing 77-06-5D, mixts. containing

77-19-0D,

mixts. containing 78-48-8D, mixts. containing 79-57-2D, mixts. containing  
 82-68-8D, mixts. containing 86-50-0D, mixts. containing 86-87-3D,  
 1-Naphthaleneacetic acid, mixts. containing 87-51-4D, 1H-Indole-3-acetic  
 acid, mixts. containing 87-86-5D, salts, mixts. containing 88-82-4D, mixts.  
 containing 92-52-4D, 1,1'-Biphenyl, mixts. containing 93-65-2D, mixts.

containing

94-74-6D, mixts. containing 94-75-7D, mixts. containing 94-81-5D, mixts.  
 containing 94-82-6D, mixts. containing 97-23-4D, mixts. containing  
 99-30-9D,  
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 mixts. containing 330-55-2D, mixts. containing 333-41-5D, mixts. containing  
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 containing 563-12-2D, mixts. containing 584-79-2D, mixts. containing  
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 mixts. containing 973-21-7D, mixts. containing 999-81-5D, mixts. containing  
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 containing 1918-02-1D, mixts. containing 1918-16-7D, mixts. containing  
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 containing 2593-15-9D, mixts. containing 2597-03-7D, mixts. containing  
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 , mixts. containing 3337-71-1D, mixts. containing 3347-22-6D, mixts.  
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**5598-13-0D**, mixts. containing 5902-51-2D, mixts. containing  
 5915-41-3D, mixts. containing 6923-22-4D, mixts. containing 6980-18-3D,  
 mixts.  
 containing 7287-19-6D, mixts. containing 7696-12-0D, mixts. containing  
 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, mixts. containing

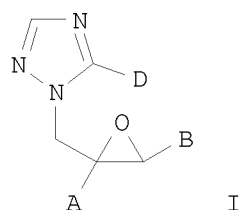
8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, mixts. containing  
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, mixts. containing  
 10265-92-6D, mixts. containing 10453-86-8D, mixts. containing 10552-74-6D,  
 mixts. containing 10605-21-7D, mixts. containing 11141-17-6D, mixts.  
 containing  
 12071-83-9D, mixts. containing 12122-67-7D, mixts. containing 12427-38-2D,  
 mixts. containing 12771-68-5D, mixts. containing **13071-79-9D**, mixts.  
 containing 13108-52-6D, mixts. containing 13171-21-6D, mixts. containing  
 13457-18-6D, mixts. containing 13516-27-3D, mixts. containing 13598-36-2D,  
 Phosphonic acid, salts, mixts. containing, biological studies 13684-56-5D,  
 mixts. containing 13684-63-4D, mixts. containing 14484-64-1D, mixts.  
 containing  
 14698-29-4D, mixts. containing 14816-18-3D, mixts. containing 15263-53-3D,  
 mixts. containing 15299-99-7D, mixts. containing 15302-91-7D, mixts.  
 containing  
 15310-01-7D, mixts. containing 15545-48-9D, mixts. containing 15845-66-6D,  
 mixts. containing 15972-60-8D, mixts. containing 16118-49-3D, mixts.  
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 mixts. containing 17804-35-2D, mixts. containing 17824-85-0D, mixts.  
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 mixts. containing 19666-30-9D, mixts. containing 21087-64-9D, mixts.  
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 containing  
 22936-75-0D, mixts. containing 22976-87-0D, mixts. containing 23031-36-9D,  
 mixts. containing 23103-98-2D, mixts. containing 23135-22-0D, mixts.  
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 mixts. containing 25057-89-0D, mixts. containing 25319-90-8D, mixts.  
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 containing  
 29232-93-7D, mixts. containing 30560-19-1D, mixts. containing 31717-87-0D,  
 mixts. containing 31895-21-3D, mixts. containing 32809-16-8D, mixts.  
 containing  
 33629-47-9D, mixts. containing 34014-18-1D, mixts. containing 34123-59-6D,  
 mixts. containing 34256-82-1D, mixts. containing 34622-58-7D, mixts.  
 containing  
 34643-46-4D, mixts. containing 35367-38-5D, mixts. containing 35400-43-2D,  
 mixts. containing 35554-44-0D, mixts. containing 35575-96-3D, mixts.  
 containing  
 35597-43-4D, mixts. containing 36335-67-8D, mixts. containing 36734-19-7D,  
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 containing  
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 mixts. containing 39807-15-3D, mixts. containing 40164-67-8D, mixts.  
 containing  
 40487-42-1D, mixts. containing 40843-25-2D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. of azolylmethyloxiranes)  
 IT 41198-08-7D, mixts. containing 41205-21-4D, mixts. containing 41394-05-2D,  
 mixts. containing 41483-43-6D, mixts. containing 41814-78-2D, mixts.  
 containing

42576-02-3D, mixts. containing	43121-43-3D, mixts. containing	42609-52-9D, mixts. containing	43222-48-6D, mixts. containing	42874-03-3D, mixts. containing
49866-87-7D, mixts. containing	50563-36-5D, mixts. containing	50471-44-8D, mixts. containing	50594-66-6D, mixts. containing	50512-35-1D, mixts. containing
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 126833-17-8D, mixts. containing 127277-53-6D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. of azolylmethyloxiranes)

GI



AB The invention relates to fungicidal mixts. which comprise (1)  
 azolylmethyloxiranes of general formula I, wherein the variables are  
 defined as in the application, (2) a fungicidal compound II, and (3)  
 optionally another fungicidal compound II as the active components, the  
 compds. II of components 2 and 3 being independently selected from among  
 the compds. described in the application. The invention also relates to  
 the use of the fungicidal mixts. for the control of phytopathogenic fungi  
 and to agents containing said mixts.

L12 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1597846 CAPLUS  
 DOCUMENT NUMBER: 154:82343  
 TITLE: Synergistic fungicidal mixts. of azolylmethyloxiranes.  
 INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens;  
 Ulmschneider, Sarah; Glaettli, Alice;  
 Vrettou-Schultes, Marianna; Stolz, Silke  
 PATENT ASSIGNEE(S): BASF SE, Germany  
 SOURCE: PCT Int. Appl., 98pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146029	A2	20101223	WO 2010-EP58339	20100615
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:				
			EP 2009-162823	A 20090616
IT 52-51-7D, mixts. containing	52-68-6D, mixts. containing	55-38-9D, mixts. containing		
60-51-5D, mixts. containing	56-38-2D, mixts. containing	57-92-1D, mixts. containing		
62-73-7D, mixts. containing	61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing	63-25-2D, mixts. containing	67-48-1D, mixts. containing	
77-19-0D, mixts. containing	76-87-9D, mixts. containing	77-06-5D, mixts. containing		
82-68-8D, mixts. containing	78-48-8D, mixts. containing	79-57-2D, mixts. containing	86-87-3D, 1-Naphthaleneacetic acid, mixts. containing	
87-51-4D, 1H-Indole-3-acetic acid, mixts. containing	87-86-5D, salts, mixts. containing	88-82-4D, mixts. containing	92-52-4D, 1,1'-Biphenyl, mixts. containing	
93-65-2D, mixts. containing	94-74-6D, mixts. containing	94-75-7D, mixts. containing	94-81-5D, mixts. containing	
94-82-6D, mixts. containing	97-23-4D, mixts. containing			
99-30-9D, mixts. containing	101-05-3D, mixts. containing	108-48-5D, mixts. containing	112-65-2D, mixts. containing	
113-00-8D, Guanidine, mixts. containing	114-26-1D, mixts. containing	116-06-3D, mixts. containing	117-18-0D, mixts. containing	
118-74-1D, mixts. containing	120-36-5D, mixts. containing			
121-21-1D, mixts. containing	121-29-9D, mixts. containing	121-75-5D, mixts. containing	122-14-5D, mixts. containing	
122-34-9D, mixts. containing	122-39-4D, mixts. containing	123-33-1D, mixts. containing		
124-58-3D, mixts. containing				
132-66-1D, mixts. containing	133-06-2D, mixts. containing	133-07-3D, mixts. containing	137-26-8D, mixts. containing	
137-30-4D, mixts. containing	141-66-2D, mixts. containing	142-71-2D, mixts. containing		
144-54-7D, mixts. containing				
145-73-3D, mixts. containing	148-79-8D, mixts. containing	298-00-0D, mixts. containing	298-02-2D, mixts. containing	
298-04-4D, mixts. containing	301-12-2D, mixts. containing	311-45-5D, mixts. containing		
314-40-9D, mixts. containing				
330-54-1D, mixts. containing	330-55-2D, mixts. containing	333-41-5D, mixts. containing	470-90-6D, mixts. containing	
485-31-4D, mixts. containing	533-74-4D, mixts. containing	563-12-2D, mixts. containing		
584-79-2D, mixts. containing				
639-58-7D, mixts. containing	709-98-8D, mixts. containing	731-27-1D, mixts. containing	732-11-6D, mixts. containing	
759-94-4D, mixts. containing	834-12-8D, mixts. containing	886-50-0D, mixts. containing		
900-95-8D, mixts. containing				
950-37-8D, mixts. containing	973-21-7D, mixts. containing	999-81-5D, mixts. containing	1071-83-6D, mixts. containing	
1085-98-9D, mixts. containing	1194-65-6D, mixts. containing			



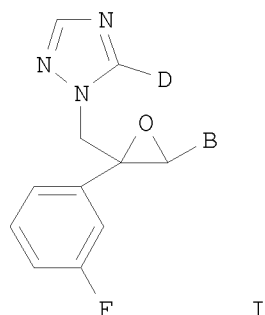
containing 1214-39-7D, mixts. containing 1332-40-7D, mixts. containing  
 1344-69-0D, Copper hydroxide, mixts. containing 1344-73-6D, mixts. containing  
 1563-66-2D, mixts. containing 1582-09-8D, mixts. containing 1593-77-7D,  
 mixts.  
 containing 1596-84-5D, mixts. containing 1689-83-4D, mixts. containing  
 1689-84-5D, mixts. containing 1698-60-8D, mixts. containing 1702-17-6D,  
 mixts.  
 containing 1861-40-1D, mixts. containing 1897-45-6D, mixts. containing  
 1910-42-5D, mixts. containing 1912-24-9D, mixts. containing 1918-00-9D,  
 mixts.  
 containing 1918-02-1D, mixts. containing 1918-16-7D, mixts. containing  
 1929-82-4D, mixts. containing 2008-41-5D, mixts. containing 2032-65-7D,  
 mixts.  
 containing 2079-00-7D, mixts. containing 2136-79-0D, mixts. containing  
 2164-08-1D, mixts. containing 2164-17-2D, mixts. containing 2212-67-1D,  
 mixts.  
 containing 2303-17-5D, mixts. containing 2310-17-0D, mixts. containing  
 2425-06-1D, mixts. containing 2439-01-2D, mixts. containing 2439-10-3D,  
 mixts.  
 containing 2593-15-9D, mixts. containing 2597-03-7D, mixts. containing  
 2764-72-9D, mixts. containing 2797-51-5D, mixts. containing **2921-88-2D**  
 , mixts. containing 3337-71-1D, mixts. containing 3347-22-6D, mixts.  
 containing  
 3478-94-2D, mixts. containing 3813-05-6D, mixts. containing 3878-19-1D,  
 mixts.  
 containing 5234-68-4D, mixts. containing 5259-88-1D, mixts. containing  
**5598-13-0D**, mixts. containing 5902-51-2D, mixts. containing  
 5915-41-3D, mixts. containing 6923-22-4D, mixts. containing 6980-18-3D,  
 mixts.  
 containing 7287-19-6D, mixts. containing 7696-12-0D, mixts. containing  
 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, mixts. containing  
 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, mixts. containing  
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, mixts. containing  
 10265-92-6D, mixts. containing 10453-86-8D, mixts. containing 10552-74-6D,  
 mixts. containing 10605-21-7D, mixts. containing 11141-17-6D, mixts.  
 containing  
 12071-83-9D, mixts. containing 12122-67-7D, mixts. containing 12427-38-2D,  
 mixts. containing 12771-68-5D, mixts. containing **13071-79-9D**, mixts.  
 containing 13108-52-6D, mixts. containing 13171-21-6D, mixts. containing  
 13457-18-6D, mixts. containing 13516-27-3D, mixts. containing 13598-36-2D,  
 Phosphonic acid, salts, mixts. containing, biological studies 13684-56-5D,  
 mixts. containing 13684-63-4D, mixts. containing 14484-64-1D, mixts.  
 containing  
 14698-29-4D, mixts. containing 14816-18-3D, mixts. containing 15263-53-3D,  
 mixts. containing 15299-99-7D, mixts. containing 15302-91-7D, mixts.  
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 15310-01-7D, mixts. containing 15545-48-9D, mixts. containing 15845-66-6D,  
 mixts. containing 15972-60-8D, mixts. containing 16118-49-3D, mixts.  
 containing  
 16672-87-0D, mixts. containing 16752-77-5D, mixts. containing 17109-49-8D,  
 mixts. containing 17804-35-2D, mixts. containing 17824-85-0D, mixts.  
 containing  
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 mixts. containing 19666-30-9D, mixts. containing 21087-64-9D, mixts.  
 containing  
 21293-29-8D, mixts. containing 21452-14-2D, mixts. containing 21725-46-2D,  
 mixts. containing 22248-79-9D, mixts. containing 22781-23-3D, mixts.  
 containing  
 22936-75-0D, mixts. containing 22976-87-0D, mixts. containing 23031-36-9D,  
 mixts. containing 23103-98-2D, mixts. containing 23135-22-0D, mixts.  
 containing  
 23184-66-9D, mixts. containing 23564-05-8D, mixts. containing 23602-78-0D,

	mixts. containing	23950-58-5D, mixts.	containing	24017-47-8D, mixts.
containing	24307-26-4D, mixts.	containing	24579-73-5D, mixts.	containing
	mixts. containing	25057-89-0D, mixts.	containing	24691-80-3D, mixts.
containing	25606-41-1D, mixts.	containing	25319-90-8D, mixts.	
	mixts. containing	26087-47-8D, mixts.	containing	26225-79-6D, mixts.
containing	26530-20-1D, mixts.	containing	26644-46-2D, mixts.	
	27314-13-2D, mixts.	containing	27355-22-2D, mixts.	containing
	mixts. containing	27605-76-1D, mixts.	containing	27605-76-1D, mixts.
containing	28249-77-6D, mixts.	containing	29091-21-2D, mixts.	
	29232-93-7D, mixts.	containing	30560-19-1D, mixts.	containing
	mixts. containing	31717-87-0D, mixts.	containing	31717-87-0D, mixts.
containing	31895-21-3D, mixts.	containing	32809-16-8D, mixts.	
	33629-47-9D, mixts.	containing	34014-18-1D, mixts.	containing
	mixts. containing	34123-59-6D, mixts.	containing	34123-59-6D, mixts.
containing	34256-82-1D, mixts.	containing	34622-58-7D, mixts.	
	34643-46-4D, mixts.	containing	35367-38-5D, mixts.	containing
	mixts. containing	35400-43-2D, mixts.	containing	35400-43-2D, mixts.
containing	35554-44-0D, mixts.	containing	35575-96-3D, mixts.	
	35597-43-4D, mixts.	containing	36335-67-8D, mixts.	containing
	mixts. containing	36734-19-7D, mixts.	containing	36734-19-7D, mixts.
containing	37248-47-8D, mixts.	containing	39148-24-8D, mixts.	
	39300-45-3D, mixts.	containing	39515-40-7D, mixts.	containing
	mixts. containing	39515-41-8D, mixts.	containing	39515-41-8D, mixts.
containing	39807-15-3D, mixts.	containing	40164-67-8D, mixts.	
	40487-42-1D, mixts.	containing	40843-25-2D, mixts.	containing
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)	containing	40843-25-2D, mixts.	containing
	(synergistic fungicidal mixts. of azolylmethyloxiranes)	containing	41205-21-4D, mixts.	containing
IT	41198-08-7D, mixts.	containing	41205-21-4D, mixts.	containing
	mixts. containing	41394-05-2D, mixts.	containing	41394-05-2D, mixts.
containing	41483-43-6D, mixts.	containing	41814-78-2D, mixts.	
	42576-02-3D, mixts.	containing	42609-52-9D, mixts.	containing
	mixts. containing	42874-03-3D, mixts.	containing	42874-03-3D, mixts.
containing	43121-43-3D, mixts.	containing	43222-48-6D, mixts.	
	49866-87-7D, mixts.	containing	50471-44-8D, mixts.	containing
	mixts. containing	50512-35-1D, mixts.	containing	50512-35-1D, mixts.
containing	50563-36-5D, mixts.	containing	50594-66-6D, mixts.	
	51218-45-2D, mixts.	containing	51218-49-6D, mixts.	containing
	mixts. containing	51235-04-2D, mixts.	containing	51235-04-2D, mixts.
containing	51276-47-2D, mixts.	containing	51630-58-1D, mixts.	
	51707-55-2D, mixts.	containing	52315-07-8D, mixts.	containing
	mixts. containing	52508-35-7D, mixts.	containing	52508-35-7D, mixts.
containing	52570-16-8D, mixts.	containing	52645-53-1D, mixts.	
	52888-80-9D, mixts.	containing	52918-63-5D, mixts.	containing
	mixts. containing	53112-28-0D, mixts.	containing	53112-28-0D, mixts.
containing	53780-34-0D, mixts.	containing	55179-31-2D, mixts.	
	55219-65-3D, mixts.	containing	55283-68-6D, mixts.	containing
	mixts. containing	55285-14-8D, mixts.	containing	55285-14-8D, mixts.
containing	55290-64-7D, mixts.	containing	55512-33-9D, mixts.	
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containing	57369-32-1D, mixts.	containing	57520-17-9D, mixts.	
	57837-19-1D, mixts.	containing	57966-95-7D, mixts.	containing
	mixts. containing	58011-68-0D, mixts.	containing	58011-68-0D, mixts.
containing	58594-72-2D, mixts.	containing	58810-48-3D, mixts.	
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	mixts. containing	60168-88-9D, mixts.	containing	60168-88-9D, mixts.
containing	60207-31-0D, mixts.	containing	60207-90-1D, mixts.	
	61213-25-0D, mixts.	containing	61432-55-1D, mixts.	containing
	mixts. containing	62732-91-6D, mixts.	containing	62732-91-6D, mixts.
containing	62865-36-5D, mixts.	containing	62924-70-3D, mixts.	

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64902-72-3D, mixts. containing	65907-30-4D, mixts. containing	66063-05-6D, mixts.
66230-04-4D, mixts. containing	66246-88-6D, mixts.	
66332-96-5D, mixts. containing	66841-25-6D, mixts. containing	66952-49-6D, mixts.
67129-08-2D, mixts. containing	67306-00-7D, mixts.	
67375-30-8D, mixts. containing	67527-71-3D, mixts. containing	67564-91-4D, mixts.
67747-09-5D, mixts. containing	68085-85-8D, mixts.	
68157-60-8D, mixts. containing	68359-37-5D, mixts. containing	68694-11-1D, mixts.
69335-91-7D, mixts. containing	69377-81-7D, mixts.	
69806-34-4D, mixts. containing	70630-17-0D, mixts. containing	71422-67-8D, mixts.
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76608-88-3D, mixts. containing	76674-21-0D, mixts. containing	76738-62-0D, mixts.
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<b>79538-32-2D</b> , mixts. containing	79540-50-4D, mixts. containing	
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81334-34-1D, mixts. containing	81335-37-7D, mixts.	
81335-77-5D, mixts. containing	81412-43-3D, Tridemorph, mixts. containing	
81591-81-3D, mixts. containing	81777-89-1D, mixts. containing	82097-50-5D, mixts.
82211-24-3D, mixts. containing	82558-50-7D, mixts.	
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83164-33-4D, mixts. containing	83657-18-5D, mixts. containing	83657-22-1D, mixts.
83657-24-3D, mixts. containing	84087-01-4D, mixts.	
84466-05-7D, mixts. containing	84496-56-0D, mixts. containing	85509-19-9D, mixts.
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86598-92-7D, mixts. containing	87130-20-9D, mixts. containing	87546-18-7D, mixts.
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88678-67-5D, mixts. containing	88805-35-0D, mixts.	
89269-64-7D, mixts. containing	89583-90-4D, mixts. containing	90717-03-6D, Aldimorph,
90982-32-4D, mixts. containing	91315-15-0D, mixts. containing	94125-34-5D, mixts.
91465-08-6D, mixts. containing	94593-91-6D, mixts. containing	
94361-06-5D, mixts. containing	95617-09-7D, mixts. containing	95266-40-3D, mixts.
95617-09-7D, mixts. containing	95737-68-1D, mixts.	
96491-05-3D, mixts. containing	96525-23-4D, mixts. containing	97886-45-8D, mixts.

mixts. containing 98243-83-5D, mixts. containing 98389-04-9D, mixts.  
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 98967-40-9D, mixts. containing 99105-77-8D, mixts. containing 99129-21-2D,  
 mixts. containing 99283-01-9D, mixts. containing 99485-76-4D, mixts.  
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 103055-07-8D, mixts. containing 103361-09-7D, mixts. containing  
 104030-54-8D,  
 mixts. containing 104040-78-0D, mixts. containing 104098-48-8D, mixts.  
 containing  
**104206-82-8D**, mixts. containing 105024-66-6D, mixts. containing  
 106040-48-6D, mixts. containing 106700-29-2D, mixts. containing  
 106917-52-6D,  
 mixts. containing 107534-96-3D, mixts. containing 108173-90-6D, Guazatine,  
 mixts. containing 109293-97-2D, mixts. containing 110235-47-7D, mixts.  
 containing  
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 111479-05-1D,  
 mixts. containing 111991-09-4D, mixts. containing 112143-82-5D, mixts.  
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 containing  
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 122931-48-0D,  
 mixts. containing 123312-89-0D, mixts. containing 123342-93-8D, mixts.  
 containing  
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 125116-23-6D,  
 mixts. containing 125225-28-7D, mixts. containing 125306-83-4D, mixts.  
 containing  
 125401-92-5D, mixts. containing 126801-58-9D, mixts. containing  
 126833-17-8D,  
 mixts. containing 127277-53-6D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. of azolylmethyloxiranes)

GI



AB The invention relates to fungicidal mixts. which comprise (1) azolylmethyloxiranes of general formula I, wherein the variables are defined as in the application, (2) a fungicidal compound II, and (3) optionally another fungicidal compound II as the active components, the compds. II of components 2 and 3 being independently selected from among the compds. described in the application. The invention also relates to the use of the fungicidal mixts. for the control of phytopathogenic fungi and to agents containing said mixts.

L12 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1535104 CAPLUS

DOCUMENT NUMBER: 154:26231

TITLE: Fungicidal mixtures comprising heteraromatic sulfonamides

INVENTOR(S): Vrettou-Schultes, Marianna; Lohmann, Jan Klaas; Montag, Jurith; Grammenos, Wassilios; Mueller, Bernd

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 217pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2010139653	A1	20101209	WO 2010-EP57514	20100531
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2009-161977 A 20090604

EP 2009-176707 A 20091123

OTHER SOURCE(S): MARPAT 154:26231

IT 51-03-6D, Piperonyl butoxide, mixts. containing 52-51-7D, Bronopol, mixts. containing 52-68-6D, Trichlorfon, mixts. containing 55-38-9D, Fenthion, mixts.

containing 56-38-2D, Parathion, mixts. containing 57-92-1D, Streptomycin, mixts. containing 60-51-5D, Dimethoate, mixts. containing 61-82-5D,

1H-1,2,4-Triazol-5-amine, mixts. containing 62-73-7D, Dichlorvos, mixts. containing 63-25-2D, Carbaryl, mixts. containing 67-48-1D, Choline chloride, mixts. containing 76-87-9D, Fentin hydroxide, mixts. containing 77-06-5D, Gibberellic acid, mixts. containing 77-19-0D, Dicyclomine, mixts. containing 78-48-8D, mixts. containing 79-57-2D, Oxytetracyclin, mixts. containing 82-68-8D, Quintozene, mixts. containing 86-50-0D, Azinphos-methyl, mixts. containing 86-87-3D, Naphthaleneacetic acid, mixts. containing 87-51-4D, Indole-3-acetic acid, mixts. containing 87-86-5D, Pentachlorophenol, salts, mixts. containing 88-82-4D, 2,3,5-Triiodobenzoic acid, mixts. containing 92-52-4D, Biphenyl, mixts. containing 93-65-2D, Mecoprop, mixts. containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-Dichlorophenoxyacetic acid, mixts. containing 94-81-5D, MCPB, mixts. containing 94-82-6D, 2,4-DB, mixts. containing 97-23-4D, Dichlorophen, mixts. containing 101-05-3D, Anilazin, mixts. containing 112-65-2D, Dodine free base, mixts. containing 113-00-8D, Guanidine, mixts. containing 114-26-1D, Propoxur, mixts. containing 115-29-7D, Endosulfan, mixts. containing 116-06-3D, Aldicarb, mixts. containing 117-18-0D, Tecnazen, mixts. containing 118-74-1D, Hexachlorobenzene, mixts. containing 120-36-5D, Dichloroprop, mixts. containing 121-21-1D, Pyrethrin I, mixts. containing 121-29-9D, Pyrethrin II, mixts. containing 121-75-5D, Malathion, mixts. containing 122-14-5D, Fenitrothion, mixts. containing 122-34-9D, Simazine, mixts. containing 122-39-4D, Diphenylamine, mixts. containing 123-33-1D, Maleic hydrazide, mixts. containing 124-58-3D, Methylarsonic acid, mixts. containing 132-66-1D, Naptalam, mixts. containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts. containing 141-66-2D, Dicrotophos, mixts. containing 142-71-2D, Copper acetate, mixts. containing 144-54-7D, Metam, mixts. containing 145-73-3D, Endothal, mixts. containing 148-79-8D, Thiabendazole, mixts. containing 298-00-0D, Methylparathion, mixts. containing 298-02-2D, Phorate, mixts. containing 298-04-4D, Disulfoton, mixts. containing 301-12-2D, Oxydemeton-methyl, mixts. containing 311-45-5D, Paraoxon, mixts. containing 314-40-9D, Bromacil, mixts. containing 330-54-1D, Diuron, mixts. containing 330-55-2D, Linuron, mixts. containing 333-41-5D, Diazinon, mixts. containing 470-90-6D, Chlorfenvinphos, mixts. containing 485-31-4D, Binapacryl, mixts. containing 533-74-4D, Dazomet, mixts. containing 563-12-2D, Ethion, mixts. containing 584-79-2D, Allethrin, mixts. containing 639-58-7D, Fentin chloride, mixts. containing 709-98-8D, Propanil, mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts. containing 759-94-4D, Eptam, mixts. containing 834-12-8D, Ametryn, mixts. containing 886-50-0D, Terbutryn, mixts. containing 900-95-8D, Fentin acetate, mixts. containing 950-37-8D, Methidathion, mixts. containing 973-21-7D, Dinobuton, mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1085-98-9D, Dichlofluanid, mixts. containing 1194-65-6D, Dichlobenil, mixts. containing 1214-39-7D, 6-Benzylaminopurine, mixts. containing 1332-40-7D, Copper oxychloride, mixts. containing 1344-69-0D, Copper hydroxide, mixts. containing 1344-73-6D, Basic copper sulfate, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 1582-09-8D, Trifluralin, mixts. containing 1593-77-7D, Dodemorph, mixts. containing 1596-84-5D, Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1910-42-5D, Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts. containing 1918-00-9D, Dicamba, mixts. containing

1918-02-1D, Picloram, mixts. containing 1918-16-7D, Propachlor, mixts. containing 1929-82-4D, Nitrapyrin, mixts. containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2079-00-7D, Blastocidin-S, mixts. containing 2136-79-0D, Chlorthal, mixts. containing 2164-08-1D, Lenacil, mixts. containing 2164-17-2D, Fluometuron, mixts. containing 2212-67-1D, Molinate, mixts. containing 2303-17-5D, Triallate, mixts. containing 2310-17-0D, Phosalone, mixts. containing 2312-35-8D, Propargite, mixts. containing 2425-06-1D, Captafol, mixts. containing 2439-01-2D, Chinomethionat, mixts. containing 2439-10-3D, Dodine, mixts. containing 2593-15-9D, Etridiazole, mixts. containing 2597-03-7D,

Phenthoate, mixts. containing 2764-72-9D, Diquat, mixts. containing 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**, Chlorpyrifos, mixts. containing 3337-71-1D, Asulam, mixts. containing 3347-22-6D, Dithianon, mixts.

containing 3478-94-2D, Piperalin, mixts. containing 3813-05-6D, Benazolin, mixts. containing 3878-19-1D, Fuberidazole, mixts. containing 5234-68-4D, Carboxin, mixts. containing 5259-88-1D, Oxycarboxin, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl, mixts. containing 5902-51-2D, Terbacil, mixts. containing 5915-41-3D, Terbutylazine, mixts. containing 6923-22-4D, Monocrotophos, mixts. containing 6980-18-3D, Kasugamycin, mixts. containing 7287-19-6D, Prometryn, mixts. containing 7696-12-0D,

Tetramethrin, mixts. containing 7704-34-9D, Sulfur, mixts. containing 7786-34-7D,

Mevinphos, mixts. containing 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D,

Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts. containing 10004-44-1D, Hymexazole, mixts. containing 10265-92-6D, Methamidophos, mixts. containing 10453-86-8D, Resmethrin, mixts. containing 10552-74-6D, Nitrothal-isopropyl, mixts. containing 10605-21-7D, Carbendazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing 12071-83-9D,

Propineb, mixts. containing 12122-67-7D, Zineb, mixts. containing 12427-38-2D, Maneb, mixts. containing 12771-68-5D, Ancyridol, mixts. containing **13071-79-9D**, Terbufos, mixts. containing 13108-52-6D, 2,3,5,6-Tetrachloro-4-methanesulfonylpyridine, mixts. containing 13121-70-5D, Cyhexatin, mixts. containing 13171-21-6D, Phosphamidon, mixts. containing 13356-08-6D, Fenbutatin oxide, mixts. containing 13457-18-6D, Pyrazophos, mixts. containing 13516-27-3D, Iminoctadine, mixts. containing 13598-36-2D, Phosphorous acid, salts, mixts. containing, biological studies 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing 14484-64-1D, Ferbam, mixts. containing 14698-29-4D,

Oxolinic acid, mixts. containing 14816-18-3D, Phoxim, mixts. containing 15263-53-3D, Cartap, mixts. containing 15299-99-7D, Napropamide, mixts. containing 15302-91-7D, Mepiquat, mixts. containing 15310-01-7D, Benodanil, mixts. containing 15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D,

Fosetyl, mixts. containing 15972-60-8D, Alachlor, mixts. containing 16118-49-3D, Carbetamide, mixts. containing 16672-87-0D, Ethephon, mixts. containing 16752-77-5D, Methomyl, mixts. containing 17109-49-8D, Edifenphos, mixts. containing 17804-35-2D, Benomyl, mixts. containing 17824-85-0D, 3,4,5-Trichloropyridine-2,6-dicarbonitrile, mixts. containing 18691-97-9D, Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts.

containing 19044-88-3D, Oryzalin, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21293-29-8D, Absciscic acid, mixts. containing 21452-14-2D, 2-Amino-4-methylthiazole-5-carboxanilide, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts.

containing

22781-23-3D, Bendiocarb, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22976-87-0D, Polyoxine, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts. containing

23564-05-8D, Thiophanate-methyl, mixts. containing 23602-78-0D, Benfluramate, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24307-26-4D, Mepiquat chloride, mixts. containing 24579-73-5D, Propamocarb, mixts. containing 24691-80-3D, Fenfuram, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing 25606-41-1D, Propamocarb hydrochloride, mixts. containing 26087-47-8D, Iprobenfos, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26530-20-1D, Octhilinone, mixts. containing 26644-46-2D, Triforine, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27355-22-2D, Phthalide, mixts. containing 27605-76-1D, Probenazole, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 30560-19-1D, Acephate, mixts. containing 31717-87-0D, Dodemorph-acetate, mixts. containing 31895-21-3D, Thiocyclam, mixts. containing 32809-16-8D, Procymidone, mixts. containing 33629-47-9D, Butralin, mixts. containing 34014-18-1D, Tebuthiuron, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D,

Prothiofos, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35400-43-2D, Sulprophos, mixts. containing 35554-44-0D, Imazalil, mixts. containing 35575-96-3D, Azamethiphos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 36335-67-8D, Butamifos, mixts. containing 36734-19-7D,

Iprodione, mixts. containing 37248-47-8D, Validamycin A, mixts. containing 37306-12-0D, Cryomycin, mixts. containing 39148-24-8D, Fosetyl aluminum, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (fungicidal mixts. comprising heteroarom. sulfonamides)

IT 40164-67-8D, Amidochlor, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41205-21-4D, Fluoroimide, mixts. containing 41394-05-2D, Metamitron, mixts. containing 41483-43-6D, Bupirimate, mixts. containing 41814-78-2D, Tricyclazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42874-03-3D, Oxyfluorfen, mixts. containing 43121-43-3D, Triadimefon, mixts. containing 43222-48-6D, Difenzoquat-methyl sulfate, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50471-44-8D, Vinclozolin, mixts. containing 50512-35-1D, Isoprothiolane, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing

50594-66-6D, Acifluorfen, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52508-35-7D, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 55179-31-2D, Bitertanol, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55290-64-7D,



Dimethipin, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55814-41-0D, Mepronil, mixts. containing 56425-91-3D, Flurprimidol, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57369-32-1D, Pyroquilon, mixts. containing 57520-17-9D, Iminoctadine-triacetate, mixts. containing 57837-19-1D, Metalaxyl, mixts. containing 57960-19-7D,

Acequinocyl, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58810-48-3D, Ofurace, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60168-88-9D, Fenarimol, mixts. containing 60207-31-0D,

Azaconazole, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 61213-25-0D, mixts. containing 61432-55-1D, Dimepiperate, mixts. containing 62732-91-6D, Debacarb, mixts. containing 62865-36-5D, Diclomezine, mixts. containing 62924-70-3D, Flumetralin, mixts. containing 63284-71-9D, Nuarimol, mixts. containing 63837-33-2D, Diofenolan, mixts. containing 64249-01-0D,

Anilofos, mixts. containing 64529-56-2D, Ethiozin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 65907-30-4D, Furathiocarb, mixts. containing 66063-05-6D, Pencycuron, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 66952-49-6D, Methasulfocarb, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 67485-29-4D, Hydramethylnon, mixts. containing 67527-71-3D, Mildiomycin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68157-60-8D, Forchlorfenuron, mixts. containing 68359-37-5D, Cyfluthrin, mixts. containing 68694-11-1D, Triflumizol, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69806-34-4D,

Haloxypfop, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72459-58-6D,

Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72962-43-7D, Brassinolide, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74223-64-6D, Metsulfuron-methyl, mixts. containing 74712-19-9D, Bromobutide, mixts. containing 74738-17-3D, Fenpiclonil, mixts. containing 76280-91-6D, Tecloftalam, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76608-88-3D, Triapenthenol, mixts. containing 76674-21-0D, Flutriafol, mixts. containing 76738-62-0D, mixts. containing 77501-63-4D, Lactofen,

mixts. containing 77732-09-3D, Oxadixyl, mixts. containing 78587-05-0D,

Hexythiazox, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D,

Imazethapyr, mixts. containing 81412-43-3D, Tridemorph, mixts. containing 81591-81-3D, Sulfosate, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82211-24-3D, Inabenfide, mixts.

containing 82558-50-7D, Isoxaben, mixts. containing 82560-54-1D,  
 Benfuracarb,  
 mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D,  
 Benzofenap, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing  
 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts.  
 containing 83657-18-5D, Diniconazole-M, mixts. containing 83657-22-1D,  
 Uniconazole, mixts. containing 83657-24-3D, Diniconazole, mixts. containing  
 84087-01-4D, Quinclorac, mixts. containing 84466-05-7D, Amidoflumet, mixts.  
 containing 84496-56-0D, Clomeprop, mixts. containing 85509-19-9D,  
 Flusilazole,  
 mixts. containing 85785-20-2D, Esprocarb, mixts. containing 86479-06-3D,  
 Hexaflumuron, mixts. containing 86598-92-7D, Imibenconazole, mixts.  
 containing  
 87130-20-9D, Diethofencarb, mixts. containing 87546-18-7D,  
 Flumiclorac-pentyl, mixts. containing 87674-68-8D, Dimethenamid, mixts.  
 containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D,  
 Tralkoxydim, mixts. containing 88283-41-4D, Pyrifenox, mixts. containing  
 88671-89-0D, Myclobutanil, mixts. containing 88678-67-5D, Pyributicarb,  
 mixts. containing 88805-35-0D, Prohexadione, mixts. containing 89269-64-7D,  
 Ferimzone, mixts. containing 89583-90-4D, Benclothiaz, mixts. containing  
 90717-03-6D, Quinmerac, mixts. containing 90982-32-4D, Chlorimuron-ethyl,  
 mixts. containing 91315-15-0D, Aldimorph, mixts. containing 94125-34-5D,  
 Prosulfuron, mixts. containing 94361-06-5D, Cyproconazole, mixts. containing  
 94593-91-6D, Cinosulfuron, mixts. containing 95266-40-3D, Trinexapac-ethyl,  
 mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D,  
 Pyriproxyfen, mixts. containing 96489-71-3D, Pyridaben, mixts. containing  
 96491-05-3D, Thenylchlor, mixts. containing 96525-23-4D, Flurtamone, mixts.  
 containing 97886-45-8D, Dithiopyr, mixts. containing 98243-83-5D,  
 Benalaxyl-M,  
 mixts. containing 98389-04-9D, Pyrazosulfuron, mixts. containing  
 98967-40-9D,  
 Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing  
 99129-21-2D, Clethodim, mixts. containing 99283-01-9D, Bensulfuron, mixts.  
 containing 99485-76-4D, Cumyluron, mixts. containing 100728-84-5D,  
 Imazamethabenz, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing  
 101463-69-8D, Flufenoxuron, mixts. containing 101903-30-4D, Pefurazoate,  
 mixts. containing 102851-06-9D, Tau-fluvalinate, mixts. containing  
 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts.  
 containing 104030-54-8D, Carpropamid, mixts. containing 104040-78-0D,  
 Flazasulfuron, mixts. containing 104098-48-8D, Imazapic, mixts. containing  
**104206-82-8D**, Mesotrione, mixts. containing 105024-66-6D,  
 Silafluofen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing  
 106700-29-2D, Pethoxamid, mixts. containing 106917-52-6D, Flusulfamide,  
 mixts. containing 107534-96-3D, Tebuconazole, mixts. containing  
 108173-90-6D,  
 Guazatine, mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing  
 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph,  
 mixts. containing 110956-75-7D, Pentoxazone, mixts. containing  
 111479-05-1D,  
 Propaquizafop, mixts. containing 111988-49-9D, Thiaclopid, mixts. containing  
 111991-09-4D, Nicosulfuron, mixts. containing 112143-82-5D, Triazamate,  
 mixts. containing 112226-61-6D, Halofenozide, mixts. containing  
 112281-77-3D,  
 Tetraconazole, mixts. containing 112410-23-8D, Tebufenozide, mixts.  
 containing  
 112860-04-5D, mixts. containing 113036-87-6D, Primisulfuron, mixts.  
 containing  
 113036-88-7D, Flucycloxuron, mixts. containing 113136-77-9D, Cyclanilide,  
 mixts. containing 113614-08-7D, Beflubutamid, mixts. containing  
 114311-32-9D,  
 Imazamox, mixts. containing 114369-43-6D, Fenbuconazole, mixts. containing  
 114420-56-3D, Clodinafop, mixts. containing 115044-19-4D, Guazatine-acetate,

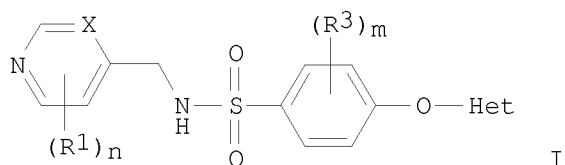
mixts. containing 115852-48-7D, Fenoxanil, mixts. containing 116255-48-2D, Bromuconazole, mixts. containing 116714-46-6D, Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing 117718-60-2D, Thiazopyr, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing 118712-89-3D, Transfluthrin, mixts. containing 119126-15-7D, Flupoxam, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 119446-68-3D, Difenoconazole, mixts. containing 119791-41-2D, Emamectin, mixts. containing 119899-14-8D, 2-Chloro-N-(1,1,3-trimethylindan-4-yl)nicotinamide, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 120928-09-8D, Fenazaquin, mixts. containing 121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122431-24-7D, Flupyrazofos, mixts. containing 122453-73-0D, Chlorfenapyr, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (fungicidal mixts. comprising heteroarom. sulfonamides)

IT 122836-35-5D, Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 123342-93-8D, Pyriithiobac, mixts. containing 123572-88-3D, Furametpyr, mixts. containing 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125306-83-4D, Cafenstrole, mixts. containing 125401-92-5D, Bispyribac-sodium, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 128621-72-7D, Carfentrazone, mixts. containing 129558-76-5D, Tolfenpyrad, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing 129909-90-6D, Amicarbazone, mixts. containing 130000-40-7D, Thifluzamide, mixts. containing 130339-07-0D, Diflumetorim, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131475-57-5D, Triaziflam, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133220-30-1D, Indanofan, mixts. containing 133408-50-1D, Metominostrobin, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 134074-64-9D, Oxpoconazole, mixts. containing 134605-64-4D, Butafenacil, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135186-78-6D, Pyrifthalid, mixts. containing 135397-30-7D, Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflusulfuron, mixts. containing 136426-54-5D, Fluquinconazole, mixts. containing 136516-19-3D, mixts. containing 136849-15-5D, Cyclosulfamuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138164-12-2D, Butoxydim, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139528-85-1D, Metosulam, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 140163-89-9D, Imicyafos, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 142891-20-1D, Cinidon-ethyl, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 145026-81-9D, Propoxycarbazone, mixts. containing 145026-88-6D, Flucarbazone, mixts. containing 145099-21-4D, Trifloxysulfuron, mixts. containing 145701-21-9D, Diclosulam, mixts. containing

145701-23-1D, Florasulam, mixts. containing 145767-97-1D, Vaniliprole, mixts. containing 147150-35-4D, Cloransulam-methyl, mixts. containing 147411-69-6D, Pyriminobac-methyl, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 149253-65-6D, Fluthiacet, mixts. containing 149508-90-7D, Simeconazole, mixts. containing 149601-03-6D, mixts. containing 149877-41-8D, Bifenazate, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxymid, mixts. containing 150114-71-9D, Aminopyralid, mixts. containing 150315-10-9D, Flupyr-sulfuron, mixts. containing 150824-47-8D, Nitenpyr, mixts. containing 153197-14-9D, Oxaziclonefone, mixts. containing 153233-91-1D, Etoxazole, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 154025-04-4D, Flumetover, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 156963-66-5D, Benzobicyclon, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing 158353-15-2D, Pyraclo-nil, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162650-77-3D, Ethaboxam, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts. containing 169202-06-6D, Iminoctadine-tris(albesilate), mixts. containing 170015-32-4D, Flufen-erim, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 173980-17-1D, Bencarbazone, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178602-66-9D, Prohydrojasmon, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing 188489-07-8D, Flufenpyr-ethyl, mixts. containing 188634-90-4D, Ethoxyfen, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 189873-26-5D, mixts. containing 200132-83-8D, Kasugamycin hydrochloride-hydrate, mixts. containing 200509-41-7D, Quizalofop-P-tefuryl, mixts. containing 201593-84-2D, Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 211867-47-9D, Flumorph, mixts. containing 213464-77-8D, Ortho-sulfamuron, mixts. containing 214706-53-3D, 5-Chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 221201-92-9D, N-[Cyclopropylmethoxyimino(6-difluoromethoxy-2,3-difluorophenyl)methyl]-2-phenylacetamide, mixts. containing 221205-90-9D, Pyrimisulfan, mixts. containing 221667-31-8D, Cyprosulfamide, mixts. containing 223419-20-3D, Profluthrin, mixts. containing 223580-51-6D, Tiadinil, mixts. containing 224049-04-1D, Isotianil, mixts. containing 226551-21-9D, N-(3-Ethyl-3,5,5-trimethylcyclohexyl)-3-formylamino-2-hydroxybenzamide, mixts. containing 229977-93-9D, FLUACRYPYRIM, mixts. containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D, Pinoxaden, mixts. containing 248593-16-0D, Orysastrob-in, mixts. containing 256412-89-2D, Metamifop, mixts. containing 269720-29-8D, mixts. containing 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 287941-52-0D, N'-[4-(4-Chloro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-methylformamidine, mixts. containing 287941-79-1D, N'-[4-(4-Fluoro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-methylformamidine, mixts. containing 304911-98-6D, N-(4-Chloro-2-nitrophenyl)-N-ethyl-4-methylbenzenesulfonamide, mixts.

containing 315208-17-4D, Pyrafluprole, mixts. containing 325155-62-2D, mixts.  
 containing 335104-84-2D, Tembotrione, mixts. containing 337458-27-2D, Pyrifluquinazon, mixts. containing 345206-00-0D, mixts. containing 348635-87-0D, Amisulbrom, mixts. containing 352010-68-5D, mixts. containing 353292-31-6D, mixts. containing 361377-29-9D, Fluoxastrobin, mixts.  
 containing 365400-11-9D, Pyrasulfotole, mixts. containing 366815-41-0D, mixts.  
 containing 372137-35-4D, Saflufenacil, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 376645-78-2D, mixts. containing 394730-71-3D, Pyriprole, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing 404875-67-8D, mixts. containing 404875-68-9D, mixts. containing 412928-75-7D, Flucetosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing 420138-40-5D, Pyribambenzpropyl, mixts. containing 422556-08-9D, Pyroxsulam, mixts.  
 containing 447399-55-5D, Pyroxasulfone, mixts. containing 473278-76-1D, Tefuryltrione, mixts. containing 473798-59-3D, mixts. containing 494793-45-2D, N-[2-(1,3,3-Trimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 494793-67-8D, N-[2-(1,3-Dimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 496851-93-5D, mixts. containing 499223-49-3D, 6-Chloro-3-(2-cyclopropyl-6-methylphenoxy)pyridazin-4-ol, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 560121-52-0D, Cyenopyrafen, mixts. containing 570415-88-2D, mixts. containing 581809-46-3D, Bixafen, mixts. containing 658066-35-4D, Fluopyram, mixts. containing 736994-63-1D, Cyazypyr, mixts. containing 750643-57-3D, Enestroburin, mixts. containing 765286-17-7D, 2-(4-Chlorophenyl)-N-[4-(3,4-dimethoxyphenyl)isoxazol-5-yl]-2-prop-2-ynyloxyacetamide, mixts. containing 799247-52-2D, Pyribencarb, mixts. containing 847749-37-5D, 3-[5-(4-Chlorophenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 858954-83-3D, mixts. containing 863549-51-3D, Lepimectin, mixts. containing 865318-97-4D, 5-Ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 868390-90-3D, Pyrimorph, mixts. containing 870765-96-1D, N'-[2-Methyl-5-trifluoromethyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 870765-98-3D, N'-[5-Difluoromethyl-2-methyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 874967-67-6D, Sedaxane, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 918154-92-4D, N-[1-[1-(4-Cyanophenyl)ethanesulfonyl]but-2-yl]carbamic acid (4-fluorophenyl) ester, mixts. containing 922514-07-6D, mixts. containing 922514-49-6D, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 943831-36-5D, mixts.  
 containing 943831-98-9D, mixts. containing 945615-47-4D, 3-[5-(4-Methylphenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 949575-92-2D, N-(4'-Trifluoromethylthiobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 958647-10-4D, Flutianil, mixts. containing 1020398-65-5D, 1-(4-Chlorophenyl)-2-([1,2,4]triazol-1-yl)cycloheptanol, mixts. containing 1198080-96-4D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (fungicidal mixts. comprising heteroarom. sulfonamides)

GI



AB The present invention relates to fungicidal mixts., comprising at least one heteroarom. sulfonamide compound of formula (I) wherein: X = N, CH or C-R1; n = number of substituents R1 on the pyridine or pyrimidine ring and n = 0-3; R1 = halo, CN, NO2, etc.; R2 = H, C1-C4-alkyl, C1-C4-haloalkyl, etc.; m = number of substituents R3 on the Ph ring and m = 0-4; R3 = halo, CN, NO2, etc.; Y = divalent group selected from -O-, C1-C4-alkanediyl, -O-CH2-, etc.; Het is a 5- or 6-membered heteroarom. radical; and one second active compound selected from groups (A) to (I) and at least one third active compound selected from groups (A) to (I) as defined in the description, and to compns. comprising these mixts. Several exemplary title compds. in binary and ternary mixts. with other pesticides from groups (A)-(I) are shown to be synergistically effective against several phytopathogenic fungi.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1406255 CAPLUS

DOCUMENT NUMBER: 153:611897

TITLE: A method for increasing the vigor and/or crop yield of agricultural plants under essentially non-existent pathogen pressure

INVENTOR(S): Frank, Markus; Silva, David Ernest

PATENT ASSIGNEE(S): Basf SE, Germany

SOURCE: PCT Int. Appl., 57pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010128003	A2	20101111	WO 2010-EP55947	20100503
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2009-175818P P 20090506  
US 2009-176511P P 20090508

IT 51-03-6D, Piperonyl butoxide, mixts. containing 52-51-7D, Bronopol, mixts. containing 52-68-6D, Trichlorfon, mixts. containing 55-38-9D, Fenthion, mixts. containing 56-38-2D, Parathion, mixts. containing 57-92-1D, Streptomycin, mixts. containing 60-51-5D, Dimethoate, mixts. containing 61-82-5D,

1H-1,2,4-Triazol-5-amine, mixts. containing 62-73-7D, Dichlorvos, mixts.  
 containing 63-25-2D, Carbaryl, mixts. containing 67-48-1D, Choline  
 chloride,  
 mixts. containing 76-87-9D, Fentin hydroxide, mixts. containing 77-06-5D,  
 Gibberellic acid, mixts. containing 78-48-8D, mixts. containing 79-57-2D,  
 Oxytetracyclin, mixts. containing 82-68-8D, Quintozene, mixts. containing  
 86-50-0D, Azinphos-methyl, mixts. containing 86-87-3D, Naphthaleneacetic  
 acid, mixts. containing 87-51-4D, Indole-3-acetic acid, mixts. containing  
 87-86-5D, Pentachlorophenol, mixts. containing 87-86-5D, Pentachlorophenol,  
 salts, mixts. containing 88-82-4D, 2,3,5-Triiodobenzoic acid, mixts.  
 containing  
 92-52-4D, Biphenyl, mixts. containing 93-65-2D, Mecoprop, mixts. containing  
 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-Dichlorophenoxyacetic acid,  
 mixts. containing 94-81-5D, MCPB, mixts. containing 94-82-6D, 2,4-DB,  
 mixts.  
 containing 97-23-4D, Dichlorophen, mixts. containing 101-05-3D, Anilazin,  
 mixts. containing 108-48-5D, 2,6-Dimethylpyridine, mixts. containing  
 112-65-2D, Dodine free base, mixts. containing 113-00-8D, Guanidine, mixts.  
 containing 114-26-1D, Propoxur, mixts. containing 115-29-7D, Endosulfan,  
 mixts. containing 116-06-3D, Aldicarb, mixts. containing 117-18-0D,  
 Tecnazen,  
 mixts. containing 118-74-1D, Hexachlorobenzene, mixts. containing  
 120-36-5D,  
 Dichloroprop, mixts. containing 121-21-1D, Pyrethrin I, mixts. containing  
 121-29-9D, Pyrethrin II, mixts. containing 121-75-5D, Malathion, mixts.  
 containing 122-14-5D, Fenitrothion, mixts. containing 122-34-9D, Simazine,  
 mixts. containing 122-39-4D, Diphenylamine, mixts. containing 123-33-1D,  
 Maleic hydrazide, mixts. containing 124-58-3D, Methylarsonic acid, mixts.  
 containing 132-66-1D, Naptalam, mixts. containing 133-06-2D, Captan, mixts.  
 containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts.  
 containing 137-30-4D, Ziram, mixts. containing 141-66-2D, Dicrotophos,  
 mixts.  
 containing 142-71-2D, Copper acetate, mixts. containing 144-54-7D, Metam,  
 mixts. containing 145-73-3D, Endothal, mixts. containing 148-79-8D,  
 Thiabendazole, mixts. containing 298-00-0D, Methylparathion, mixts.  
 containing  
 298-02-2D, Phorate, mixts. containing 298-04-4D, Disulfoton, mixts.  
 containing  
 301-12-2D, Oxydemeton-methyl, mixts. containing 311-45-5D, Paraoxon, mixts.  
 containing 314-40-9D, Bromacil, mixts. containing 330-54-1D, Diuron, mixts.  
 containing 330-55-2D, Linuron, mixts. containing 333-41-5D, Diazinon,  
 mixts.  
 containing 470-90-6D, Chlorfenvinphos, mixts. containing 485-31-4D,  
 Binapacryl, mixts. containing 533-74-4D, Dazomet, mixts. containing  
 563-12-2D,  
 Ethion, mixts. containing 584-79-2D, Allethrin, mixts. containing  
 639-58-7D,  
 Fentin chloride, mixts. containing 709-98-8D, Propanil, mixts. containing  
 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts.  
 containing  
 759-94-4D, Eptam, mixts. containing 834-12-8D, Ametryn, mixts. containing  
 886-50-0D, Terbutryn, mixts. containing 900-95-8D, Fentin acetate, mixts.  
 containing 950-37-8D, Methidathion, mixts. containing 973-21-7D, Dinobuton,  
 mixts. containing 1085-98-9D, Dichlofluanid, mixts. containing 1194-65-6D,  
 Dichlobenil, mixts. containing 1214-39-7D, 6-Benzylaminopurine, mixts.  
 containing 1332-40-7D, Copper oxychloride, mixts. containing 1344-69-0D,  
 Copper hydroxide, mixts. containing 1344-73-6D, Basic copper sulfate, mixts.  
 containing 1563-66-2D, Carbofuran, mixts. containing 1582-09-8D,  
 Trifluralin,  
 mixts. containing 1593-77-7D, Dodemorph, mixts. containing 1596-84-5D,  
 Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing  
 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts.

containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D,  
 Benfluralin,  
 mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1910-42-5D,  
 Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts. containing  
 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram, mixts.  
 containing  
 1918-16-7D, Propachlor, mixts. containing 1929-82-4D, Nitrapyrin, mixts.  
 containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb,  
 mixts. containing 2079-00-7D, Blastocidin-S, mixts. containing 2136-79-0D,  
 Chlorthal, mixts. containing 2164-08-1D, Lenacil, mixts. containing  
 2164-17-2D, Fluometuron, mixts. containing 2212-67-1D, Molinate, mixts.  
 containing 2303-17-5D, Triallate, mixts. containing 2310-17-0D, Phosalone,  
 mixts. containing 2312-35-8D, Propargite, mixts. containing 2425-06-1D,  
 Captafol, mixts. containing 2439-01-2D, Chinomethionat, mixts. containing  
 2439-10-3D, Dodine, mixts. containing 2593-15-9D, Etridiazole, mixts.  
 containing  
 2597-03-7D, Phenthoate, mixts. containing 2764-72-9D, Diquat, mixts.  
 containing  
 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**,  
 Chlorpyrifos, mixts. containing 3337-71-1D, Asulam, mixts. containing  
 3347-22-6D, Dithianon, mixts. containing 3478-94-2D, Piperalin, mixts.  
 containing 3813-05-6D, Benazolin, mixts. containing 3878-19-1D,  
 Fuberidazole,  
 mixts. containing 5234-68-4D, Carboxin, mixts. containing 5259-88-1D,  
 Oxycarboxin, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl,  
 mixts. containing 5902-51-2D, Terbacil, mixts. containing 5915-41-3D,  
 Terbutylazine, mixts. containing 6923-22-4D, Monocrotophos, mixts.  
 containing  
 6980-18-3D, Kasugamycin, mixts. containing 7287-19-6D, Prometryn, mixts.  
 containing 7696-12-0D, Tetramethrin, mixts. containing 7704-34-9D, Sulfur,  
 mixts. containing 7786-34-7D, Mevinphos, mixts. containing 8011-63-0D,  
 Bordeaux mixture, mixts. containing 8018-01-7D, Mancozeb, mixts. containing  
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, Hymexazole, mixts.  
 containing 10265-92-6D, Methamidophos, mixts. containing 10380-28-6D,  
 Oxine-copper, mixts. containing 10453-86-8D, Resmethrin, mixts. containing  
 10552-74-6D, Nitrothal-isopropyl, mixts. containing 10605-21-7D,  
 Carbendazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing  
 12071-83-9D, Propineb, mixts. containing 12122-67-7D, Zineb, mixts.  
 containing  
 12427-38-2D, Maneb, mixts. containing 12771-68-5D, Ancymidol, mixts.  
 containing  
**13071-79-9D**, Terbufos, mixts. containing 13108-52-6D,  
 2,3,5,6-Tetrachloro-4-methanesulfonylpyridine, mixts. containing  
 13121-70-5D, Cyhexatin, mixts. containing 13171-21-6D, Phosphamidon, mixts.  
 containing 13356-08-6D, Fenbutatin oxide, mixts. containing 13457-18-6D,  
 Pyrazophos, mixts. containing 13516-27-3D, Iminoctadine, mixts. containing  
 13598-36-2D, Phosphorous acid, mixts. containing, biological studies  
 13598-36-2D, Phosphorous acid, salts, mixts. containing, biological studies  
 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham,  
 mixts. containing 14484-64-1D, Ferbam, mixts. containing 14698-29-4D,  
 Oxolinic  
 acid, mixts. containing 14816-18-3D, Phoxim, mixts. containing 15263-53-3D,  
 Cartap, mixts. containing 15299-99-7D, Napropamide, mixts. containing  
 15302-91-7D, Mepiquat, mixts. containing 15310-01-7D, Benodanil, mixts.  
 containing 15545-48-9D, Chlortoluron, mixts. containing 15845-66-6D,  
 Fosetyl,  
 mixts. containing 15972-60-8D, Alachlor, mixts. containing 16118-49-3D,  
 Carbetamide, mixts. containing 16672-87-0D, Ethephon, mixts. containing  
 16752-77-5D, Methomyl, mixts. containing 17109-49-8D, Edifenphos, mixts.  
 containing 17804-35-2D, Benomyl, mixts. containing 17824-85-0D,  
 3,4,5-Trichloropyridine-2,6-dicarbonitrile, mixts. containing 18691-97-9D,  
 Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts.  
 containing



19044-88-3D, Oryzalin, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21293-29-8D, Abscissic acid, mixts. containing 21452-14-2D, 2-Amino-4-methylthiazole-5-carboxanilide, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts. containing 22781-23-3D, Bendiocarb, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22976-87-0D, Polyoxine, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts. containing 23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24307-26-4D, Mepiquat chloride, mixts. containing 24579-73-5D, Propamocarb, mixts. containing 24691-80-3D, Fenfuram, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing 25606-41-1D, Propamocarb hydrochloride, mixts. containing 26087-47-8D, Iprobenfos, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26530-20-1D, Othilone, mixts. containing 26644-46-2D, Triforine, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27355-22-2D, Phthalide, mixts. containing 27605-76-1D, Probenazole, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 30560-19-1D, Acephate, mixts. containing 31717-87-0D, Dodemorph-acetate, mixts. containing 31895-21-3D, Thiocyclam, mixts. containing 33629-47-9D, Butralin, mixts. containing 34014-18-1D, Tebuthiuron, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D, Prothiofos, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35400-43-2D, Sulprophos, mixts. containing 35554-44-0D, Imazalil, mixts. containing 35575-96-3D, Azamethiphos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 36335-67-8D, Butamifos, mixts. containing 37248-47-8D,

Validamycin  
A, mixts. containing 39148-24-8D, Fosetylaluminum, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 40164-67-8D, Amidochlor, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(method for increasing the vigor and/or crop yield of agricultural plants under essentially non-existent pathogen pressure)

IT 40596-69-8D, Methoprene, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41394-05-2D,

Metamitron,  
mixts. containing 41483-43-6D, Bupirimate, mixts. containing 41814-78-2D, Tricyclazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42874-03-3D, Oxyfluorfen, mixts. containing 43121-43-3D, Triadimefon, mixts. containing 43222-48-6D, Difenzoquat-methyl sulfate, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50512-35-1D, Isoprothiolane, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 50594-66-6D, Acifluorfen, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52508-35-7D, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 55179-31-2D,

Bitertanol, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55290-64-7D, Dimethipin, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55814-41-0D, Mepronil, mixts. containing 56425-91-3D, Flurprimidol, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57369-32-1D, Pyroquilon, mixts. containing 57520-17-9D, Iminoctadine-triacetate, mixts. containing 57837-19-1D, Metalaxyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D,

Cymoxanil,

mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58810-48-3D, Ofurace, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60168-88-9D, Fenarimol, mixts. containing 60207-31-0D, Azaconazole, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 61213-25-0D, mixts. containing

61432-55-1D,

Dimepiperate, mixts. containing 62732-91-6D, Debacarb, mixts. containing 62865-36-5D, Diclomezine, mixts. containing 62924-70-3D, Flumetralin, mixts. containing 63284-71-9D, Nuarimol, mixts. containing 63837-33-2D,

Diofenolan,

mixts. containing 64249-01-0D, Anilofos, mixts. containing 64529-56-2D, Ethiozin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 65907-30-4D, Furathiocarb, mixts. containing 66063-05-6D, Pencycuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 66952-49-6D, Methasulfocarb, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 67485-29-4D, Hydramethylnon, mixts. containing

67527-71-3D,

Mildiomycin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68157-60-8D, Forchlorfenuron, mixts. containing 68359-37-5D, Cyfluthrin, mixts. containing 68505-69-1D, Benfuresate, mixts. containing 68694-11-1D, Triflumizol, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D,

Fluroxypyr,

mixts. containing 69806-34-4D, Haloxypop, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72459-58-6D,

Triazoxide,

mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72962-43-7D, Brassinolide, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74223-64-6D, Metsulfuron-methyl, mixts. containing 74712-19-9D, Bromobutide, mixts. containing 74738-17-3D, Fenpiclonil, mixts. containing 76280-91-6D, Tecloftalam, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76608-88-3D, Triapenthenol, mixts. containing 76674-21-0D, Flutriafol, mixts. containing 76738-62-0D, mixts. containing 77501-63-4D, Lactofen,

mixts.

containing 77732-09-3D, Oxadixyl, mixts. containing 78587-05-0D,

Hexythiazox,

mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D, Imazethapyr, mixts. containing 81412-43-3D, Tridemorph, mixts. containing 81591-81-3D, Sulfosate, mixts. containing

81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82211-24-3D, Inabenfide, mixts. containing 82558-50-7D,

Isoxaben, mixts. containing 82560-54-1D, Benfuracarb, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D, Benzofenap, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 83657-18-5D, Diniconazole-M, mixts. containing 83657-22-1D, Uniconazole, mixts. containing 83657-24-3D, Diniconazole, mixts. containing 84087-01-4D, Quinclorac, mixts. containing 84466-05-7D, Amidoflumet, mixts. containing 84496-56-0D,

Clomeprop, mixts. containing 85509-19-9D, Flusilazole, mixts. containing 85785-20-2D, Esprocarb, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 86598-92-7D, Imibenconazole, mixts. containing 87130-20-9D, Diethofencarb, mixts. containing 87546-18-7D, Flumiclorac-pentyl, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 88283-41-4D, Pyrifenox, mixts. containing 88671-89-0D, Myclobutanil, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing 88805-35-0D, Prohexadione, mixts. containing 89269-64-7D, Ferimzone, mixts. containing 89583-90-4D, Benclothiaz, mixts. containing 90717-03-6D, Quinmerac, mixts. containing 90982-32-4D, Chlorimuron-ethyl, mixts. containing 91315-15-0D, Aldimorph, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 94361-06-5D, Cyproconazole, mixts. containing 94593-91-6D, Cinosulfuron, mixts. containing 95266-40-3D, Trinexapac-ethyl, mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96489-71-3D, Pyridaben, mixts. containing 96491-05-3D, Thenylchlor, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 97886-45-8D, Dithiopyr, mixts. containing 98243-83-5D, Benalaxyl-M, mixts. containing 98389-04-9D, Pyrazosulfuron, mixts. containing 98967-40-9D, Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 99485-76-4D,

Cumyluron, mixts. containing 100728-84-5D, Imazamethabenz, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 101903-30-4D, Pefurazoate, mixts. containing

102851-06-9D, Tau-fluvalinate, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104030-54-8D, Carpropamid, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing

104098-48-8D, Imazapic, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 105024-66-6D, Silafluofen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 106917-52-6D, Flusulfamide, mixts. containing 107534-96-3D, Tebuconazole, mixts. containing 108173-90-6D, Guazatine, mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph, mixts. containing 110956-75-7D, Pentoxazone, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing

111988-49-9D, Thiachloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing 112143-82-5D, Triazamate, mixts. containing 112226-61-6D, Halofenozide, mixts. containing 112281-77-3D, Tetraconazole, mixts. containing

112410-23-8D, Tebufenozide, mixts. containing 112860-04-5D, mixts. containing

113036-87-6D, Primisulfuron, mixts. containing 113036-88-7D, Flucycloxuron, mixts. containing

113136-77-9D, Cyclanilide, mixts. containing 113614-08-7D, Beflubutamid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 114369-43-6D, Fenbuconazole, mixts. containing 114420-56-3D, Clodinafop, mixts. containing 115044-19-4D, Guazatine-acetate, mixts. containing 115852-48-7D, Fenoxanil,

mixts. containing 116255-48-2D, Bromuconazole, mixts. containing  
 116714-46-6D,  
 Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing  
 117718-60-2D, Thiazoppyr, mixts. containing 118134-30-8D, Spiroxamine, mixts.  
 containing 118712-89-3D, Transfluthrin, mixts. containing 119126-15-7D,  
 Flupoxam, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing  
 119791-41-2D, Emamectin, mixts. containing 119899-14-8D,  
 2-Chloro-N-(1,1,3-trimethylindan-4-yl)nicotinamide, mixts. containing  
 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts.  
 containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D,  
 Amidosulfuron, mixts. containing 120928-09-8D, Fenazaquin, mixts. containing  
 121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl,  
 mixts. containing 122431-24-7D, Flupyrazofos, mixts. containing  
 122453-73-0D,  
 Chlorfenapyr, mixts. containing 122548-33-8D, Imazosulfuron, mixts.  
 containing  
 122836-35-5D, Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron,  
 mixts. containing 123312-89-0D, Pymetrozine, mixts. containing  
 123342-93-8D,  
 Pyriithiobac, mixts. containing 123572-88-3D, Furametpyr, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (method for increasing the vigor and/or crop yield of agricultural  
 plants under essentially non-existent pathogen pressure)  
 IT 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole,  
 mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125306-83-4D,  
 Cafenstrole, mixts. containing 125401-92-5D, Bispyribac-sodium, mixts.  
 containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D,  
 Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts.  
 containing 128621-72-7D, Carfentrazone, mixts. containing 129558-76-5D,  
 Tolfenpyrad, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts.  
 containing  
 129909-90-6D, Amicarbazone, mixts. containing 130000-40-7D, Thifluzamide,  
 mixts. containing 130339-07-0D, Diflumetorim, mixts. containing  
 131341-86-1D,  
 Fludioxonil, mixts. containing 131475-57-5D, Triaziflam, mixts. containing  
 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin,  
 mixts. containing 131983-72-7D, Triticonazole, mixts. containing  
 133220-30-1D,  
 Indanofan, mixts. containing 133408-50-1D, Metominostrobin, mixts. containing  
 134074-64-9D, Oxpoconazole, mixts. containing 134605-64-4D, Butafenacil,  
 mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing  
 135186-78-6D, Pyrifthalid, mixts. containing 135397-30-7D, Halosulfuron,  
 mixts. containing 135410-20-7D, Acetamiprid, mixts. containing  
 135990-29-3D,  
 Triflusulfuron, mixts. containing 136426-54-5D, Fluquinconazole, mixts.  
 containing 136516-19-3D, mixts. containing 136849-15-5D, Cyclosulfamuron,  
 mixts. containing 137641-05-5D, Picolinafen, mixts. containing  
 138164-12-2D,  
 Butoxydim, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing  
 139001-49-3D, Profoxydim, mixts. containing 139528-85-1D, Metosulam, mixts.  
 containing 139920-32-4D, Diclocymet, mixts. containing 139968-49-3D,  
 Metaflumizone, mixts. containing 140163-89-9D, Imicyafos, mixts. containing  
 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole,  
 mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing  
 141776-32-1D, Sulfosulfuron, mixts. containing 142459-58-3D, Flufenacet,  
 mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing  
 142891-20-1D,  
 Cinidon-ethyl, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts.  
 containing 144651-06-9D, Oxasulfuron, mixts. containing 145026-81-9D,  
 Propoxycarbazone, mixts. containing 145026-88-6D, Flucarbazone, mixts.  
 containing 145099-21-4D, Trifloxysulfuron, mixts. containing 145701-21-9D,  
 Diclosulam, mixts. containing 145701-23-1D, Florasulam, mixts. containing

145767-97-1D, Vaniliprole, mixts. containing 147150-35-4D,  
 Cloransulam-methyl, mixts. containing 147411-69-6D, Pyriminobac-methyl,  
 mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing  
 149253-65-6D,  
 Fluthiacet, mixts. containing 149508-90-7D, Simeconazole, mixts. containing  
 149601-03-6D, mixts. containing 149877-41-8D, Bifenazate, mixts. containing  
 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxydim,  
 mixts. containing 150114-71-9D, Aminopyralid, mixts. containing  
 150315-10-9D,  
 Flupyrulfuron, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing  
 153197-14-9D, Oxaziclonefone, mixts. containing 153233-91-1D, Etoxazole,  
 mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing  
 154025-04-4D, Flumetover, mixts. containing 156052-68-5D, Zoxamide, mixts.  
 containing 156963-66-5D, Benzobicyclon, mixts. containing 158062-67-0D,  
 Flonicamid, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing  
 158353-15-2D, Pyraclonil, mixts. containing 161050-58-4D, Methoxyfenozide,  
 mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162650-77-3D,  
 Ethaboxam, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing  
 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts.  
 containing 170015-32-4D, Flufennerim, mixts. containing 173159-57-4D,  
 Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing  
 173980-17-1D, Bencarbazone, mixts. containing 175217-20-6D, Silthiofam,  
 mixts. containing 178602-66-9D, Prohydrojasmon, mixts. containing  
 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl,  
 mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing  
 181587-01-9D,  
 Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing  
 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts.  
 containing 188489-07-8D, Flufenpyr-ethyl, mixts. containing 188634-90-4D,  
 Ethoxyfen, mixts. containing 189278-12-4D, Proquinazid, mixts. containing  
 189873-26-5D, mixts. containing 200132-83-8D, Kasugamycin  
 hydrochloride-hydrate, mixts. containing 200509-41-7D, Quizalofop-P-tefuryl,  
 mixts. containing 203313-25-1D, Spirotetramat, mixts. containing  
 210631-68-8D,  
 Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing  
 211867-47-9D, Flumorph, mixts. containing 213464-77-8D, Orthosulfamuron,  
 mixts. containing 214706-53-3D, 5-Chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-  
 trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, mixts. containing  
 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone,  
 mixts. containing 221201-92-9D, N-[Cyclopropylmethoxyimino(6-difluoromethoxy-  
 2,3-difluorophenyl)methyl]-2-phenylacetamide, mixts. containing  
 221205-90-9D, Pyrimisulfan, mixts. containing 221667-31-8D, Cyprosulfamide,  
 mixts. containing 223419-20-3D, Profluthrin, mixts. containing  
 223580-51-6D,  
 Tiadinil, mixts. containing 224049-04-1D, Isotianil, mixts. containing  
 226551-21-9D, N-(3-Ethyl-3,5,5-trimethylcyclohexyl)-3-formylamino-2-  
 hydroxybenzamide, mixts. containing 229977-93-9D, Fluacrypyrim, mixts.  
 containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D,  
 Pinoxaden, mixts. containing 248593-16-0D, Orysastrobin, mixts. containing  
 256412-89-2D, Metamifop, mixts. containing 269720-29-8D, mixts. containing  
 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-7D, Flubendiamide,  
 mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D,  
 Spiromesifen, mixts. containing 287941-52-0D,  
 N'-[4-(4-Chloro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-  
 methylformamidine, mixts. containing 287941-79-1D,  
 N'-[4-(4-Fluoro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-  
 methylformamidine, mixts. containing 304911-98-6D,  
 N-(4-Chloro-2-nitrophenyl)-N-ethyl-4-methylbenzenesulfonamide, mixts.  
 containing 315208-17-4D, Pyrafluprole, mixts. containing 325155-62-2D,  
 mixts.  
 containing 335104-84-2D, Tembotrione, mixts. containing 337458-27-2D,  
 Pyrifluquinazon, mixts. containing 345206-00-0D, mixts. containing

348635-87-0D, Amisulbrom, mixts. containing 352010-68-5D, mixts. containing 353292-31-6D, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 365400-11-9D, Pyrasulfotole, mixts. containing 366815-41-0D, mixts. containing 372137-35-4D, Saflufenacil, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 376645-78-2D, mixts. containing 376645-94-2D, mixts. containing 394730-71-3D, Pyriprole, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing 404875-67-8D, mixts. containing 404875-68-9D, mixts. containing 412928-75-7D, Flucetosulfuron, mixts. containing 413615-35-7D, Bentiavalicarb, mixts. containing 420138-40-5D, Pyribambenzpropyl, mixts. containing 422556-08-9D, Pyroxulam, mixts. containing 447399-55-5D, Pyroxasulfone, mixts. containing 473278-76-1D, Tefuryltrione, mixts. containing 473798-59-3D, mixts. containing 494793-45-2D, N-[2-(1,3,3-Trimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 494793-67-8D, N-[2-(1,3-Dimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 496851-93-5D, mixts. containing 499223-49-3D, 6-Chloro-3-(2-cyclopropyl-6-methyl-phenoxy)-pyridazin-4-ol, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 560121-52-0D, Cyenopyrafen, mixts. containing 570415-88-2D, mixts. containing 581809-46-3D, Bixafen, mixts. containing 658066-35-4D, Fluopyram, mixts. containing 736994-63-1D, Cyazypyr, mixts. containing 750643-57-3D, Enestroburin, mixts. containing 765286-17-7D, 2-(4-Chlorophenyl)-N-[4-(3,4-dimethoxyphenyl)isoxazol-5-yl]-2-prop-2-ynyloxyacetamide, mixts. containing 799247-52-2D, Pyribencarb, mixts. containing 847749-37-5D, 3-[5-(4-Chlorophenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 858954-83-3D, mixts. containing 863549-51-3D, Lepimectin, mixts. containing 865318-97-4D, 5-Ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 868390-90-3D, Pyrimorph, mixts. containing 870765-96-1D, N'-[2-Methyl-5-trifluoromethyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 870765-98-3D, N'-[5-Difluoromethyl-2-methyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 874967-67-6D, Sedaxane, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 918154-92-4D, N-[1-[1-(4-Cyanophenyl)ethanesulfonyl]but-2-yl]carbamic acid (4-fluorophenyl) ester, mixts. containing 922514-07-6D, mixts. containing 922514-49-6D, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thienencarbazone, mixts. containing 943831-36-5D, mixts. containing 943831-98-9D, mixts. containing 945615-47-4D, 3-[5-(4-Methylphenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 949575-92-2D, N-(4'-Trifluoromethylthiobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 958647-10-4D, Flutianil, mixts. containing 1020398-65-5D, 1-(4-Chlorophenyl)-2-([1,2,4]triazol-1-yl)cycloheptanol, mixts. containing 1198080-96-4D, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (method for increasing the vigor and/or crop yield of agricultural plants under essentially non-existent pathogen pressure)

AB A method for increasing the vigor and/or crop yield of agricultural plants under essentially nonexistent pathogen pressure is described. The method comprises treatment with compns. wherein the plants, the plant propagules, the seed of the plants and/or the locus where the plants are growing or are intended to grow, are treated with an effective amount of a composition comprising (a) the Bacillus subtilis strain with NRRL Accession Number

B-21661 or a cell-free extract thereof, and/or a mutant of this strain or extract having all the identifying characteristics of the resp. strain or extract as component (I), and (b) optionally at least one chemical compound as component (II), selected from the active compound groups (A) to (J): (A) strobilurins; (B) carboxamides; (C) azoles; (D) heterocyclic compds.; (E) carbamates; (F) other active substances; (G) plant growth regulators; (H) herbicides; (J) insecticides.

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ACCESSION NUMBER: 2010:1135844 CAPLUS  
DOCUMENT NUMBER: 153:400285  
TITLE: Oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids  
INVENTOR(S): Casana Giner, Victor; Gimeno Sierra, Miguel; Gimeno Sierra, Barbara  
PATENT ASSIGNEE(S): GAT Microencapsulation AG, Austria  
SOURCE: PCT Int. Appl., 42pp.; Chemical Indexing Equivalent to 153:400284 (EP)  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

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WO 2010099965	A2	20100910	WO 2010-EP1358	20100304
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 2225940	A1	20100908	EP 2009-3183	20090305
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, RS			

PRIORITY APPLN. INFO.: EP 2009-3183 A 20090305

OTHER SOURCE(S): MARPAT 153:400285

IT 60-51-5D, Dimethoate, mixts. containing 61-82-5D, Amitrole, mixts. containing 65-85-0D, Benzoic acid, mixts. containing 74-85-1D, Ethylene, mixts. containing 77-06-5D, Gibberellic acid, mixts. containing 81-81-2D, Warfarin, mixts. containing 85-00-7D, Diquat, mixts. containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-D, mixts. containing 94-81-5D, MCPB, mixts. containing 94-82-6D, 2,4-DB, mixts. containing 101-21-3D, Chloropropham, mixts. containing 122-39-4D, Diphenylamine, mixts. containing 131-72-6D, Meptyldinocap, mixts. containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts. containing 148-79-8D, Thiabendazole, mixts. containing 330-54-1D, Diuron, mixts. containing 330-55-2D, Linuron, mixts. containing 584-79-2D, Allethrin, mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts. containing 824-39-5D, Sodium o-nitrophenolate, mixts. containing

824-78-2D, Sodium p-nitrophenolate, mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1305-99-3D, Calcium phosphide, mixts. containing 1593-77-7D, Dodemorph, mixts. containing 1596-84-5D, Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2164-08-1D, Lenacil, mixts. containing 2212-67-1D, Molinate, mixts. containing 2303-17-5D, Triallate, mixts. containing 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**, Chlorpyrifos, mixts. containing 3878-19-1D, Fuberidazole, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl, mixts. containing 7803-51-2D, Phosphine, mixts. containing 8018-01-7D, Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts. containing 9008-22-4D, Laminarin, mixts. containing 10453-86-8D, Resmethrin, mixts. containing 10605-21-7D, Carbenfendazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing 12057-74-8D, Magnesium phosphide, mixts. containing 12071-83-9D, Propineb, mixts. containing 12427-38-2D, Maneb, mixts. containing 13194-48-4D, Ethoprophos, mixts. containing 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing 13708-85-5D, Disodium phosphonate, mixts. containing 15165-67-0D, Dichlorprop-P, mixts. containing 15302-91-7D, Mepiquat, mixts. containing 15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D, Fosetyl, mixts. containing 16484-77-8D, Mecoprop-P, mixts. containing 16672-87-0D, Ethephon, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 22224-92-6D, Fenamiphos, mixts. containing 22259-30-9D, Formetanate, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23149-52-2D, Silver thiosulfate, mixts. containing 23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24579-73-5D, Propamocarb, mixts. containing 25057-89-0D, Bentazone, mixts. containing 26046-85-5D, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 28434-01-7D, Bioresmethrin, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35554-44-0D, Imazalil, mixts. containing 36734-19-7D, Iprodione, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 41394-05-2D, Metamitron, mixts. containing 42576-02-3D, Bifenox, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 54406-48-3D, Empenthrin, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55335-06-3D, Triclopyr, mixts. containing 55512-33-9D, Pyridate, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing 58769-20-3D, RU 15525, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 63935-38-6D, Cycloprothrin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron,



mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67233-85-6D, Sodium 5-nitroguaiacol, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-Cypermethrin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68359-37-5D, Beta-Cyfluthrin, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69770-45-2D, Flumethrin, mixts. containing 69806-34-4D, Haloxyfop, mixts. containing 70124-77-5D, Flucythrinate, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71697-59-1D, Theta-Cypermethrin, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72459-58-6D, Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73989-17-0D, Avermectin, derivs., mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79510-48-8D, Metsulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 85509-19-9D, Flusilazole, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 87392-12-9D, S-Metolachlor, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 94051-08-8D, Quizalofop-P, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 98243-83-5D, Benalaxyl-M, mixts. containing 98886-44-3D, Fosthiazate, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 100784-20-1D, Halosulfuron methyl, mixts. containing 101007-06-1D, Acrinathrin, mixts. containing 101200-48-0D, Tribenuron-methyl, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 102851-06-9D, Tau-Fluvalinate, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 107534-96-3D, Tebuconazole, mixts. containing 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing 112281-77-3D, Tetraconazole, mixts. containing 113036-88-7D, Flucycloxuron, mixts. containing 113136-77-9D, Cyclanilide, mixts. containing 113158-40-0D, Fenoxaprop-P, mixts. containing 113282-37-4D, Forchlorofenuron, mixts. containing 113614-08-7D, Beflubutamid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 114420-56-3D, Clodinafop, mixts. containing 114797-39-6D, Methothrin, mixts. containing 116714-46-6D, Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing 118712-89-3D, Transfluthrin, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 119446-68-3D, Difenoconazole, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 121451-02-3D, Noviflumuron, mixts. containing

121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing

122931-48-0D, Rimsulfuron, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125401-92-5D, Bispyribac sodium, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 128639-02-1D, Carfentrazone-ethyl, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing

131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing

134098-61-6D, Fenpyroximate, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflusulfuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3, Imidacloprid 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing

141517-21-7D, Trifloxystrobin, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

IT 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143294-89-7D, Trinexapac, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 143807-66-3D, Chromafenozide, mixts. containing 144550-36-7D, Iodosulfuron-methyl sodium, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 144740-53-4D, Flupyrsulfuron methyl, mixts. containing 145026-81-9D, Propoxycarbazone, mixts. containing 145701-23-1D, Florasulam, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 149877-41-8D, Bifenazate, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxydim, mixts. containing

150114-71-9D, Aminopyralid, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153233-91-1D, Etoxazole, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 155569-91-8D, Emamectin benzoate, mixts. containing 156052-68-5D, Zoxamide, mixts. containing

158062-67-0D, Flonicamid, mixts. containing 160791-64-0D, ZXI 8901, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162320-67-4D, SZI-121, mixts. containing 168316-95-8D, Spinosad, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing

181587-01-9D, Ethiprole, mixts. containing 184170-17-0 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 201593-84-2D, Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing

210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 213464-77-8D, Orthosulfamuron, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 239110-15-7D, Fluopicolide, mixts. containing

243973-20-8D, Pinoxaden, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing

283159-90-0D, Valiphenal, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 335104-84-2D, Tembotrione, mixts. containing 348635-87-0D, Amisulbrom, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing 422556-08-9D, Pyroxsulam, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 548460-64-6D, mixts. containing 841243-63-8 841243-64-9, Imidacloprid-deltamethrin mixture 870721-81-6D, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 1243641-23-7D, FEN 560, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

AB Selective insect neonicotinoids is a class of pesticide active ingredients that share some characteristics in their chemical structures and bind to the nAChR acetylcholine receptors. Formulation of such compds. in oil suspension or oil dispersion is challenging due to their electrostatic interactions of the heteroatoms in oily media, that lead to irreversible flocculation or diminished homogeneity and bleeding of such oil dispersions. Imidacloprid, Thiamethoxam, Thiachloprid, Nitenpyram, Acetamiprid, Clothianidin and Dinotofuran and derivs. thereof with nAChR binding ability are successfully formulated in oil suspension with the use of certain copolymeric anionic fatty-acid based dispersants, sorbitan derivs., ionic surfactants, other non-ionic surfactants and inorg. polyvalent cationic salt dispersed in the oil. The formulations produced this way show excellent storage stability properties regarding physiochem. parameters, including stability of the neonicotinoid active ingredient, reduced bleeding, and complete redispersibility. Further, they show excellent biol. efficacy due to the reduced and homogeneous particle size below 2  $\mu$ m when diluted and emulsified in water.

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ACCESSION NUMBER: 2010:1131467 CAPLUS  
DOCUMENT NUMBER: 153:400284  
TITLE: Oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids  
INVENTOR(S): Casana Giner, Victor; Gimeno Sierra, Miguel; Gimeno Sierra, Barbara  
PATENT ASSIGNEE(S): GAT Microencapsulation AG, Austria  
SOURCE: Eur. Pat. Appl., 26pp.; Chemical Indexing Equivalent to 153:400285 (WO)  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
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EP 2225940	A1	20100908	EP 2009-3183	20090305
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, RS			
WO 2010099965	A2	20100910	WO 2010-EP1358	20100304
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,  
IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI,  
SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,  
ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

EP 2009-3183

A 20090305

IT 60-51-5D, Dimethoate, mixts. containing 61-82-5D, Amitrole, mixts. containing  
65-85-0D, Benzoic acid, mixts. containing 74-85-1D, Ethylene, mixts.

containing

77-06-5D, Gibberellic acid, mixts. containing 81-81-2D, Warfarin, mixts.

containing 85-00-7D, Diquat, mixts. containing 94-74-6D, MCPA, mixts.

containing

94-75-7D, 2,4-D, mixts. containing 94-81-5D, MCPB, mixts. containing

94-82-6D,

2,4-DB, mixts. containing 101-21-3D, Chloropropham, mixts. containing

122-39-4D, Diphenylamine, mixts. containing 131-72-6D, Meptyldinocap, mixts.

containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts.

containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts.

containing 148-79-8D, Thiabendazole, mixts. containing 330-54-1D, Diuron,

mixts. containing 330-55-2D, Linuron, mixts. containing 584-79-2D,

Allethrin,

mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D,

Phosmet, mixts. containing 824-39-5D, Sodium o-nitrophenolate, mixts.

containing

824-78-2D, Sodium p-nitrophenolate, mixts. containing 1071-83-6D,

Glyphosate, mixts. containing 1305-99-3D, Calcium phosphide, mixts.

containing

1593-77-7D, Dodemorph, mixts. containing 1596-84-5D, Daminozide, mixts.

containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil,

mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D,

Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing

1897-45-6D, Chlorothalonil, mixts. containing 1918-00-9D, Dicamba, mixts.

containing 1918-02-1D, Picloram, mixts. containing 2032-65-7D, Methiocarb,

mixts. containing 2164-08-1D, Lenacil, mixts. containing 2212-67-1D,

Molinate,

mixts. containing 2303-17-5D, Triallate, mixts. containing 2797-51-5D,

Quinoclamine, mixts. containing **2921-88-2D**, Chlorpyrifos, mixts.

containing 3878-19-1D, Fuberidazole, mixts. containing **5598-13-0D**,

Chlorpyrifos-methyl, mixts. containing 7803-51-2D, Phosphine, mixts.

containing

8018-01-7D, Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts.

containing

9008-22-4D, Laminarin, mixts. containing 10453-86-8D, Resmethrin, mixts.

containing 10605-21-7D, Carbendazim, mixts. containing 11141-17-6D,

Azadirachtin, mixts. containing 12057-74-8D, Magnesium phosphide, mixts.

containing 12071-83-9D, Propineb, mixts. containing 12427-38-2D, Maneb,

mixts.

containing 13194-48-4D, Ethoprophos, mixts. containing 13684-56-5D,

Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing

13708-85-5D, Disodium phosphonate, mixts. containing 15165-67-0D,

Dichlorprop-P, mixts. containing 15302-91-7D, Mepiquat, mixts. containing

15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D, Fosetyl, mixts.

containing 16484-77-8D, Mecoprop-P, mixts. containing 16672-87-0D,

Ethephon,

mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D,

Metribuzin, mixts. containing 22224-92-6D, Fenamiphos, mixts. containing

22259-30-9D, Formetanate, mixts. containing 23031-36-9D, Prallethrin, mixts.

containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl,

mixts. containing 23149-52-2D, Silver thiosulfate, mixts. containing

23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide,

mixts. containing 24579-73-5D, Propamocarb, mixts. containing 25057-89-0D,

Bentazone, mixts. containing 26046-85-5D, mixts. containing 26225-79-6D,

Ethofumesate, mixts. containing 28434-01-7D, Bioresmethrin, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35554-44-0D, Imazalil, mixts. containing 36734-19-7D, Iprodione, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 41394-05-2D, Metamitron, mixts. containing 42576-02-3D, Bifenox, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 54406-48-3D, Empenthrin, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55335-06-3D, Triclopyr, mixts. containing 55512-33-9D, Pyridate, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing 58769-20-3D, RU 15525, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 63935-38-6D, Cycloprothrin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67233-85-6D, Sodium 5-nitroguaiacol, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-Cypermethrin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68359-37-5D, Beta-Cyfluthrin, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69770-45-2D, Flumethrin, mixts. containing 69806-34-4D, Haloxypop, mixts. containing 70124-77-5D, Flucythrinate, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71697-59-1D, Theta-Cypermethrin, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72459-58-6D, Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73989-17-0D, Avermectin, derivs., mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79510-48-8D, Metsulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 85509-19-9D, Flusilazole, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 87392-12-9D, S-Metolachlor, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 94051-08-8D, Quisalofof-P, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 98243-83-5D, Benalaxyl-M, mixts. containing 98886-44-3D, Fosthiazate, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 100784-20-1D, Halosulfuron methyl, mixts. containing 101007-06-1D, Acrinathrin, mixts. containing

101200-48-0D, Tribenuron-methyl, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 102851-06-9D, Tau-Fluvalinate, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 107534-96-3D, Tebuconazole, mixts. containing 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing 112281-77-3D, Tetraconazole, mixts. containing 113036-88-7D, Flucycloxuron, mixts. containing 113136-77-9D, Cyclanilide, mixts. containing 113158-40-0D, Fenoxaprop-P, mixts. containing 113282-37-4D, Forchlorofenuron, mixts. containing 113614-08-7D, Beflubutamid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 114420-56-3D, Clodinafop, mixts. containing 114797-39-6D, Methothrin, mixts. containing 116714-46-6D, Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing 118712-89-3D, Transfluthrin, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 119446-68-3D, Difenoconazole, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 121451-02-3D, Noviflumuron, mixts. containing 121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125401-92-5D, Bispyribac sodium, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 128639-02-1D, Carfentrazone-ethyl, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 134098-61-6D, Fenpyroximate, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflurosulfuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3, Imidacloprid 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

IT 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143294-89-7D, Trinexapac, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 143807-66-3D, Chromafenozide, mixts. containing 144550-36-7D, Iodosulfuron-methyl sodium, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 144740-53-4D, Flupyralsulfuron methyl, mixts. containing 145026-81-9D, Propoxycarbazone, mixts. containing 145701-23-1D, Florasulam, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 149877-41-8D, Bifenazate, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxydim, mixts. containing

150114-71-9D, Aminopyralid, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153233-91-1D, Etoxazole, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 155569-91-8D, Emamectin benzoate, mixts. containing 156052-68-5D, Zoxamide, mixts. containing

158062-67-0D, Flonicamid, mixts. containing 160791-64-0D, ZXI 8901, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162320-67-4D, SZI-121, mixts. containing 168316-95-8D, Spinosad, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing

181587-01-9D, Ethiprole, mixts. containing 184170-17-0, Imidacloprid-lufenuron mixture 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 201593-84-2D, Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 213464-77-8D, Orthosulfamuron, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D, Pinoxaden, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 335104-84-2D, Tembotrione, mixts. containing 348635-87-0D, Amisulbrom, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing

400852-66-6D, Mesosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing

422556-08-9D, Pyroxsulam, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 548460-64-6D, mixts. containing 841243-63-8, Imidacloprid- $\lambda$ -cyhalothrin mixture 841243-64-9, Imidacloprid-deltamethrin mixture 870721-81-6D, Heptamaloxyloglucan, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thien carbazole, mixts. containing 1243641-23-7D, FEN 560, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

AB Selective insect neonicotinoids is a class of pesticide active ingredients that share some characteristics in their chemical structures and bind to the nAChR acetylcholine receptors. Formulation of such compds. in oil suspension or oil dispersion is challenging due to their electrostatic interactions of the heteroatoms in oily media, that lead to irreversible flocculation or diminished homogeneity and bleeding of such oil dispersions. Imidacloprid, Thiamethoxam, Thiachloprid, Nitenpyram, Acetamiprid, Clothianidin and Dinotofuran and derivs. thereof with nAChR binding ability are successfully formulated in oil suspension with the use of certain copolymeric anionic fatty-acid based dispersants, sorbitan derivs., ionic surfactants, other non-ionic surfactants and inorg. polyvalent cationic salt dispersed in the oil. The formulations produced this way show excellent storage stability properties regarding physiochem. parameters, including stability of the neonicotinoid active ingredient, reduced bleeding, and complete redispersibility. Further, they show excellent biol. efficacy due to the reduced and homogeneous particle size below 2  $\mu$ m when diluted and emulsified in water.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:777615 CAPLUS

DOCUMENT NUMBER: 153:108215

TITLE: Synergistic fungicidal mixtures containing

3-(4-tert-butyl-phenyl)-3-(2-chloro-pyridin-4-yl)-1-morpholin-4-yl-propenone and at least one further active compound

INVENTOR(S):           Gewehr, Markus; Dietz, Jochen; Grote, Thomas; Jabs, Thorsten; Haden, Egon  
PATENT ASSIGNEE(S):    BASF SE, Germany  
SOURCE:                PCT Int. Appl., 45pp.  
                        CODEN: PIXXD2  
DOCUMENT TYPE:         Patent  
LANGUAGE:              English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2010069763	A2	20100624	WO 2009-EP66190	20091202
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			EP 2008-171846	A 20081216
			EP 2008-172603	A 20081222
IT	51-03-6D, Piperonyl butoxide, mixts. containing		52-51-7D, Bronopol, mixts. containing	
	52-68-6D, Trichlorfon, mixts. containing		55-38-9D, Fenthion, mixts.	
	56-38-2D, Parathion, mixts. containing		57-92-1D, Streptomycin, mixts. containing	
	60-51-5D, Dimethoate, mixts. containing		61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing	
	62-73-7D, Dichlorvos, mixts. containing		63-25-2D, Carbaryl, mixts. containing	
	67-48-1D, Choline chloride, mixts. containing		76-87-9D, Fentin hydroxide, mixts. containing	
	77-06-5D, Gibberellic acid, mixts. containing		78-48-8D, mixts. containing	
	79-57-2D, Oxytetracyclin, mixts. containing		82-68-8D, Quintozene, mixts. containing	
	86-50-0D, Azinphos-methyl, mixts. containing		86-87-3D, Naphthaleneacetic acid, mixts. containing	
	87-51-4D, Indole-3-acetic acid, mixts. containing		87-86-5D, Pentachlorophenol, mixts. containing	
	88-82-4D, 2,3,5-Triiodobenzoic acid, mixts. containing		92-52-4D, Biphenyl, mixts. containing	
	93-65-2D, Mecoprop, mixts. containing		94-74-6D, MCPA, mixts. containing	
	94-75-7D, 2,4-Dichlorophenoxyacetic acid, mixts. containing		94-81-5D, MCPB, mixts. containing	
	94-82-6D, 2,4-DB, mixts. containing		97-23-4D, Dichlorophen, mixts. containing	
	101-05-3D, Anilazin, mixts. containing		108-48-5D, 2,6-Dimethylpyridine, mixts. containing	
	112-65-2D, Dodine free base, mixts. containing		113-00-8D, Guanidine, mixts. containing	
	114-26-1D, Propoxur, mixts. containing		115-29-7D, Endosulfan, mixts. containing	
	116-06-3D, Aldicarb, mixts. containing		117-18-0D, Tecnazen, mixts. containing	
	118-74-1D, Hexachlorobenzene, mixts. containing		120-36-5D, Dichlorprop, mixts. containing	
	121-21-1D, Pyrethrin I, mixts. containing		121-29-9D, Pyrethrin II, mixts. containing	
	121-75-5D, Malathion, mixts. containing		122-14-5D, Fenitrothion, mixts. containing	
	122-34-9D, Simazine, mixts. containing		122-39-4D, Diphenylamine, mixts. containing	
	123-33-1D, Maleic hydrazide, mixts. containing			



124-58-3D, Methyl arsonic acid, mixts. containing 132-66-1D, Naptalam, mixts. containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts. containing 141-66-2D, Dicrotophos, mixts. containing 142-71-2D,

#### Copper

acetate, mixts. containing 144-54-7D, Metam, mixts. containing 145-73-3D, mixts. containing 148-79-8D, Thiabendazole, mixts. containing 298-00-0D, Methyl-parathion, mixts. containing 298-02-2D, Phorate, mixts. containing 298-04-4D, Disulfoton, mixts. containing 301-12-2D, Oxydemeton-methyl, mixts. containing 311-45-5D, Paraoxon, mixts. containing 314-40-9D,

#### Bromacil,

mixts. containing 330-54-1D, Diuron, mixts. containing 330-55-2D, Linuron, mixts. containing 333-41-5D, Diazinon, mixts. containing 470-90-6D, Chlorfenvinphos, mixts. containing 485-31-4D, Binapacryl, mixts. containing 501-82-6D, mixts. containing 533-74-4D, Dazomet, mixts. containing

563-12-2D,

Ethion, mixts. containing 584-79-2D, Allethrin, mixts. containing

639-58-7D,

Fentin chloride, mixts. containing 709-98-8D, Propanil, mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts.

containing

759-94-4D, Eptam, mixts. containing 834-12-8D, Ametryn, mixts. containing 886-50-0D, Terbutryn, mixts. containing 900-95-8D, Fentin acetate, mixts. containing 950-37-8D, Methidathion, mixts. containing 973-21-7D, Dinobuton, mixts. containing 999-81-5D, (Chlormequat chloride), mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1085-98-9D, Dichlofluanid, mixts. containing 1194-65-6D, Dichlobenil, mixts. containing 1214-39-7D, 6-Benzylaminopurine, mixts. containing 1332-40-7D, Copper oxychloride, mixts. containing 1344-69-0D, Copper hydroxide, mixts. containing

1344-73-6D,

Basic copper sulfate, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 1582-09-8D, Trifluralin, mixts. containing 1593-77-7D,

#### Dodemorph,

mixts. containing 1596-84-5D, Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1910-42-5D, Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts. containing 1918-00-9D, Dicamba, mixts.

containing

1918-02-1D, Picloram, mixts. containing 1918-16-7D, Propachlor, mixts. containing 1929-82-4D, Nitrapyrin, mixts. containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2079-00-7D, Blasticidin-S, mixts. containing 2136-79-0D, Chlorthal, mixts. containing 2164-08-1D, Lenacil, mixts. containing 2164-17-2D, Fluometuron, mixts. containing 2212-67-1D, Molinate, mixts. containing 2303-17-5D, Triallate, mixts. containing 2310-17-0D, Phosalone, mixts. containing 2312-35-8D, Propargite, mixts. containing 2425-06-1D, Captafol, mixts. containing 2439-01-2D, Chinomethionat, mixts. containing 2439-10-3D, Dodine, mixts. containing 2593-15-9D, Etridiazole, mixts. containing 2597-03-7D,

#### Phenthoate,

mixts. containing 2764-72-9D, Diquat, mixts. containing 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**, Chlorpyrifos, mixts. containing 3337-71-1D, Asulam, mixts. containing 3347-22-6D, Dithianon,

mixts.

containing 3478-94-2D, Piperalin, mixts. containing 3813-05-6D, Benazolin, mixts. containing 3878-19-1D, Fuberidazole, mixts. containing 5234-68-4D, Carboxin, mixts. containing 5259-88-1D, Oxycarboxin, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl, mixts. containing 5902-51-2D, Terbacil, mixts. containing 5915-41-3D, Terbutylazine, mixts. containing 6923-22-4D, Monocrotophos, mixts. containing 6980-18-3D, Kasugamycin, mixts. containing 7287-19-6D, Prometryn, mixts. containing 7440-50-8D, Copper,

mixts.

containing 7696-12-0D, Tetramethrin, mixts. containing 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, Mevinphos, mixts. containing 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts. containing 10004-44-1D, Hymexazole, mixts. containing 10265-92-6D, Methamidophos, mixts. containing 10380-28-6D, Oxine-copper, mixts. containing 10453-86-8D, Resmethrin, mixts. containing 10552-74-6D, Nitrothal-isopropyl, mixts. containing 10605-21-7D, Carbendazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing 12071-83-9D, Propineb, mixts. containing 12122-67-7D, Zineb, mixts.

containing 12427-38-2D, Maneb, mixts. containing 12771-68-5D, Ancymidol, mixts.

containing **13071-79-9D**, Terbufos, mixts. containing 13108-52-6D, 2,3,5,6-Tetrachloro-4-methanesulfonylpyridine, mixts. containing 13121-70-5D, Cyhexatin, mixts. containing 13171-21-6D, Phosphamidon, mixts. containing 13356-08-6D, Fenbutatin oxide, mixts. containing 13457-18-6D, Pyrazophos, mixts. containing 13516-27-3D, Iminoctadine, mixts. containing 13598-36-2D, Phosphorous acid, mixts. containing, biological studies 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing 14484-64-1D, Ferbam, mixts. containing 14698-29-4D,

Oxolinic acid, mixts. containing 14816-18-3D, Phoxim, mixts. containing 15263-53-3D, Cartap, mixts. containing 15299-99-7D, Napropamide, mixts. containing 15310-01-7D, Benodanil, mixts. containing 15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D, Fosetyl, mixts. containing 15972-60-8D, Alachlor, mixts. containing 16118-49-3D, Carbetamide, mixts. containing 16672-87-0D, Ethephon, mixts. containing 16752-77-5D, Methomyl, mixts. containing 17109-49-8D, Edifenphos, mixts. containing 17804-35-2D, Benomyl, mixts. containing 17824-85-0D, 3,4,5-Tri-chloropyridine-2,6-dicarbonitrile, mixts. containing 18691-97-9D, Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts. containing 19044-88-3D, Oryzalin, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21293-29-8D, Absciscic acid, mixts. containing 21452-14-2D, 2-Amino-4-methylthiazole-5-carboxanilide, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts.

containing 22781-23-3D, Bendiocarb, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22976-87-0D, Polyoxine, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts.

containing 23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24307-26-4D, (Mepiquat chloride), mixts. containing 24579-73-5D, Propamocarb, mixts. containing 24691-80-3D, Fenfuram, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing 25606-41-1D, Propamocarb hydrochloride, mixts. containing 26087-47-8D, Iprobenfos, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26530-20-1D, Octhilinone, mixts. containing 26644-46-2D, Triforine, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27355-22-2D, Phthalide, mixts. containing 27605-76-1D, Probenazole, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 30560-19-1D, Acephate, mixts. containing 31717-87-0D, Dodemorph-acetate, mixts. containing 31895-21-3D, Thiocyclam, mixts. containing 32809-16-8D, Procymidone, mixts. containing 33629-47-9D, Butralin, mixts. containing 34014-18-1D,

Tebuthiuron, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D, Prothiofos, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35400-43-2D, Sulprophos, mixts. containing 35554-44-0D,

Imazalil, mixts. containing 35575-96-3D, Azamethiphos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 36335-67-8D, Butamifos, mixts. containing 36734-19-7D, Iprodione, mixts. containing 37248-47-8D, Validamycin  
 A, mixts. containing 39148-24-8D, Fosetyl-aluminum, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. containing butylphenylchloropyridinyl morpholinyl propenone and at least one further active compound)  
 IT 39807-15-3D, Oxadiargyl, mixts. containing 40164-67-8D, Amidochlor, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41205-21-4D, Fluoroimide, mixts. containing 41394-05-2D, Metamitron, mixts. containing 41483-43-6D,  
 Bupirimate,  
 mixts. containing 41814-78-2D, Tricyclazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42874-03-3D, Oxyfluorfen, mixts. containing 43121-43-3D, Triadimefon, mixts. containing 43222-48-6D, Difenzoquat-methyl sulfate, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50471-44-8D, Vinclozolin, mixts. containing 50512-35-1D, Isoprothiolane, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 50594-66-6D, Acifluorfen, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Beta-cypermethrin, mixts. containing 52508-35-7D, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 55179-31-2D, Bitertanol, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55290-64-7D, Dimethipin, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55814-41-0D, Mepronil, mixts. containing 56425-91-3D, Flurprimidol, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57369-32-1D, Pyroquilon, mixts. containing 57520-17-9D, Iminoctadine-triacetate, mixts. containing 57837-19-1D, Metalaxyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D,  
 Cymoxanil,  
 mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58810-48-3D, Ofurace, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60168-88-9D, Fenarimol, mixts. containing 60207-31-0D, Azaconazole, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 61213-25-0D, Flurochloridone, mixts. containing  
 61432-55-1D, Dimepiperate, mixts. containing 62732-91-6D, Debacarb, mixts. containing 62865-36-5D, Diclomezine, mixts. containing 62924-70-3D, Flumetralin, mixts. containing 63284-71-9D, Nuarimol, mixts. containing 63837-33-2D, Diofenolan, mixts. containing 64249-01-0D, Anilofos, mixts. containing 64529-56-2D, Ethiozin, mixts. containing 64628-44-0D,  
 Triflumuron,  
 mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 65907-30-4D,  
 Furathiocarb, mixts. containing 66063-05-6D, Pencycuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 66952-49-6D, Methasulfocarb, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 67485-29-4D, Hydramethylnon, mixts.

containing 67527-71-3D, Mildiomycin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68157-60-8D, Forchlorfenuron, mixts. containing 68359-37-5D, Cyfluthrin, mixts. containing 68505-69-1D, Benfuresate, mixts. containing 68694-11-1D, Triflumizol, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69806-34-4D,

Haloxyfop, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72459-58-6D,

Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72962-43-7D, Brassinolide, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74223-64-6D, Metsulfuron-methyl, mixts. containing 74712-19-9D, Bromobutide, mixts. containing 74738-17-3D, Fenpiclonil, mixts. containing 76280-91-6D, Tecloftalam, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76608-88-3D, Triapenthenol, mixts. containing 76674-21-0D, Flutriafol, mixts. containing 76738-62-0D, mixts. containing 77501-63-4D, Lactofen,

mixts. containing 77732-09-3D, Oxadixyl, mixts. containing 78587-05-0D,

Hexythiazox, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D,

Imazethapyr, mixts. containing 81412-43-3D, Tridemorph, mixts. containing 81591-81-3D, Sulfosate, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82211-24-3D, Inabenfide, mixts. containing 82558-50-7D, Isoxaben, mixts. containing 82560-54-1D,

Benfuracarb, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D, Benzofenap, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 83657-18-5D, Diniconazole-M, mixts. containing 83657-22-1D, Uniconazole, mixts. containing 83657-24-3D, Diniconazole, mixts. containing 84087-01-4D, Quinclorac, mixts. containing 84466-05-7D, Amidoflumet, mixts. containing 84496-56-0D, Clomeprop, mixts. containing 85509-19-9D,

Flusilazole, mixts. containing 85785-20-2D, Esprocarb, mixts. containing 85841-37-8D, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 86598-92-7D, Imibenconazole, mixts. containing 87130-20-9D, Diethofencarb, mixts.

containing 87546-18-7D, Flumiclorac-pentyl, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 88283-41-4D, Pyrifenox, mixts. containing 88671-89-0D, Myclobutanil, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing 89269-64-7D, Ferimzone, mixts. containing 89583-90-4D, Benclonthiaz, mixts. containing 90717-03-6D, Quinmerac, mixts. containing 90982-32-4D, Chlorimuron-ethyl, mixts. containing 91315-15-0D, Aldimorph, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 94361-06-5D, Cyproconazole, mixts. containing 94593-91-6D, Cinosulfuron, mixts. containing 95266-40-3D, Trinexapac-ethyl, mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96489-71-3D, Pyridaben, mixts. containing 96491-05-3D,

Thenylchlor,

mixts. containing 96525-23-4D, Flurtamone, mixts. containing 97228-52-9D,  
 5-Methyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing  
 97886-45-8D, Dithiopyr, mixts. containing 98243-83-5D, Benalaxyl-M, mixts.  
 containing 98389-04-9D, Pyrazosulfuron, mixts. containing 98967-40-9D,  
 Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing  
 99129-21-2D, Clethodim, mixts. containing 99283-01-9D, Bensulfuron, mixts.  
 containing 99485-76-4D, Cumyluron, mixts. containing 100728-84-5D,  
 Imazamethabenz, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing  
 101463-69-8D, Flufenoxuron, mixts. containing 101903-30-4D, Pefurazoate,  
 mixts. containing 102851-06-9D, Tau-fluvalinate, mixts. containing  
 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts.  
 containing 104030-54-8D, Carpropamid, mixts. containing 104040-78-0D,  
 Flazasulfuron, mixts. containing 104098-48-8D, Imazapic, mixts. containing  
**104206-82-8D**, Mesotrione, mixts. containing 105024-66-6D,  
 Silafluofen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing  
 106700-29-2D, Pethoxamid, mixts. containing 106917-52-6D, Flusulfamide,  
 mixts. containing 107534-96-3D, Tebuconazole, mixts. containing  
 108173-90-6D,  
 Guazatine, mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing  
 110488-70-5D, Dimethomorph, mixts. containing 110956-75-7D, Pentoxazone,  
 mixts. containing 111479-05-1D, Propaquizafop, mixts. containing  
 111988-49-9D,  
 Thiachloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing  
 112143-82-5D, Triazamate, mixts. containing 112226-61-6D, Halofenozide,  
 mixts. containing 112281-77-3D, Tetraconazole, mixts. containing  
 112410-23-8D,  
 Tebufenozide, mixts. containing 112860-04-5D, mixts. containing  
 113036-87-6D,  
 Primisulfuron, mixts. containing 113036-88-7D, Flucycloxuron, mixts.  
 containing  
 113136-77-9D, Cyclanilide, mixts. containing 113614-08-7D, Beflubutamid,  
 mixts. containing 114311-32-9D, Imazamox, mixts. containing 114369-43-6D,  
 Fenbuconazole, mixts. containing 114420-56-3D, Clodinafop, mixts. containing  
 115044-19-4D, Guazatine-acetate, mixts. containing 115852-48-7D, Fenoxanil,  
 mixts. containing 116255-48-2D, Bromuconazole, mixts. containing  
 116714-46-6D,  
 Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing  
 117718-60-2D, Thiazopyr, mixts. containing 118134-30-8D, Spiroxamine, mixts.  
 containing 118712-89-3D, Transfluthrin, mixts. containing 119126-15-7D,  
 Flupoxam, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing  
 119446-68-3D, Difenoconazole, mixts. containing 119791-41-2D, Emamectin,  
 mixts. containing 119899-14-8D, 2-Chloro-N-(1,1,3-trimethylindan-4-  
 yl)nicotinamide, mixts. containing 120068-37-3D, Fipronil, mixts. containing  
 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron,  
 mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing  
 120928-09-8D,  
 Fenazaquin, mixts. containing 121552-61-2D, Cyprodinil, mixts. containing  
 122008-85-9D, Cyhalofop-butyl, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. containing butylphenylchloropyridinyl  
 morpholinyl propenone and at least one further active compound)  
 IT 122431-24-7D, Flupyrzofos, mixts. containing 122453-73-0D, Chlorfenapyr,  
 mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing  
 122836-35-5D,  
 Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing  
 123312-89-0D, Pymetrozine, mixts. containing 123342-93-8D, Pyriithiobac,  
 mixts. containing 123572-88-3D, Furametypr, mixts. containing 124495-18-7D,  
 Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing  
 125225-28-7D, Ipconazole, mixts. containing 125306-83-4D, Cafenstrole,  
 mixts. containing 125401-92-5D, Bispyribac-sodium, mixts. containing  
 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid,  
 mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing

128621-72-7D, Carfentrazone, mixts. containing 129558-76-5D, Tolfenpyrad, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing 129909-90-6D, Amicarbazone, mixts. containing 130000-40-7D, Thifluzamide, mixts. containing 130339-07-0D, Diflumetorim, mixts. containing 131475-57-5D, Triaziflam, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133220-30-1D, Indanofan, mixts. containing 133408-50-1D, Metominostrobin, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 134074-64-9D, Oxpoconazole, mixts. containing 134605-64-4D, Butafenacil, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135186-78-6D, Pyriftalid, mixts. containing 135397-30-7D, Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflusulfuron, mixts. containing 136426-54-5D, Fluquinconazole, mixts. containing 136516-19-3D, mixts. containing 136849-15-5D, Cyclosulfamuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138164-12-2D, Butoxydim, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139528-85-1D, Metosulam, mixts. containing 139920-32-4D, Diclocymet, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 140163-89-9D, Imicyafos, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 142891-20-1D, Cinidon-ethyl, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 145026-81-9D, Propoxycarbazine, mixts. containing 145026-88-6D, Flucarbazone, mixts. containing 145099-21-4D, Trifloxysulfuron, mixts. containing 145701-21-9D, Diclosulam, mixts. containing 145701-23-1D, Florasulam, mixts. containing 145767-97-1D, Vaniliprole, mixts. containing 147150-35-4D, Cloransulam-methyl, mixts. containing 147411-69-6D, Pyriminobac-methyl, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 149253-65-6D, Fluthiacet, mixts. containing 149508-90-7D, Simeconazole, mixts. containing 149877-41-8D, Bifenazate, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxym, mixts. containing 150114-71-9D, Aminopyralid, mixts. containing 150315-10-9D, Flupyrsulfuron, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153197-14-9D, Oxaziclonofone, mixts. containing 153233-91-1D, Etoazole, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 154025-04-4D, Flumetover, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 156963-66-5D, Benzobicyclon, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing 158353-15-2D, Pyraclonil, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162650-77-3D, Ethaboxam, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts. containing 169202-06-6D, Iminoctadine-tris(albesilate), mixts. containing 170015-32-4D, Flufenimer, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 173980-17-1D, Bencarbazine, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178602-66-9D, Prohydrojasmon, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing 188489-07-8D, Flufenpyr-ethyl, mixts. containing 188634-90-4D, Ethoxyfen, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 189873-26-5D,

mixts. containing 200132-83-8D, Kasugamycin hydrochloride-hydrate, mixts.  
 containing 200509-41-7D, Quizalofop-P-tefuryl, mixts. containing  
 201593-84-2D,  
 Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts.  
 containing  
 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin,  
 mixts. containing 211867-47-9D, Flumorph, mixts. containing 213464-77-8D,  
 Ortho-sulfamuron, mixts. containing 214706-53-3D,  
 5-Chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-  
 trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine, mixts. containing  
 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone,  
 mixts. containing 221201-92-9D, N-[Cyclopropylmethoxyimino(6-difluoromethoxy-  
 2,3-difluorophenyl)methyl]-2-phenylacetamide, mixts. containing  
 221205-90-9D, Pyrimisulfan, mixts. containing 221667-31-8D, Cyprosulfamide,  
 mixts. containing 223419-20-3D, Profluthrin, mixts. containing  
 223580-51-6D,  
 Tiadinil, mixts. containing 224049-04-1D, Isotianil, mixts. containing  
 226551-21-9D, N-(3-Ethyl-3,5,5-trimethylcyclohexyl)-3-formylamino-2-  
 hydroxybenzamide, mixts. containing 229977-93-9D, Fluacrypyrim, mixts.  
 containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D,  
 Pinoxaden, mixts. containing 248593-16-0D, Orysastobin, mixts. containing  
 256412-89-2D, Metamifop, mixts. containing 269720-29-8D, mixts. containing  
 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-7D, Flubendiamide,  
 mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D,  
 Spiromesifen, mixts. containing 287941-52-0D,  
 N'-[4-(4-Chloro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-  
 methylformamidine, mixts. containing 287941-79-1D,  
 N'-[4-(4-Fluoro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-  
 methylformamidine, mixts. containing 304911-98-6D,  
 N-(4-Chloro-2-nitrophenyl)-N-ethyl-4-methylbenzenesulfonamide, mixts.  
 containing 315208-17-4D, Pyrafluprole, mixts. containing 325155-62-2D,  
 mixts.  
 containing 335104-84-2D, Tembotrione, mixts. containing 337458-27-2D,  
 Pyrifluquinazon, mixts. containing 345206-00-0D, mixts. containing  
 348635-87-0D, Amisulbrom, mixts. containing 352010-68-5D, mixts. containing  
 353292-31-6D, mixts. containing 361377-29-9D, Fluoxastobin, mixts.  
 containing  
 365400-11-9D, Pyrasulfotole, mixts. containing 366815-41-0D, mixts.  
 containing  
 372137-35-4D, Saflufenacil, mixts. containing 374726-62-2D, Mandipropamid,  
 mixts. containing 394730-71-3D, Pyriprole, mixts. containing 400852-66-6D,  
 Mesosulfuron, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing  
 404875-67-8D, mixts. containing 404875-68-9D, mixts. containing  
 412928-75-7D,  
 Flucetosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts.  
 containing 420138-40-5D, Pyribambenz-propyl, mixts. containing  
 422556-08-9D,  
 Pyroxulam, mixts. containing 447399-55-5D, Pyroxasulfone, mixts. containing  
 473278-76-1D, Tefuryltrione, mixts. containing 473798-59-3D, mixts.  
 containing  
 494215-86-0D, 6-Octyl-5-trifluoromethyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-  
 ylamine, mixts. containing 494793-45-2D,  
 N-[2-(1,3,3-Trimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-  
 carboxamide, mixts. containing 494793-67-8D,  
 N-[2-(1,3-Dimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-  
 carboxamide, mixts. containing 496850-17-0D, mixts. containing  
 499223-49-3D,  
 6-Chloro-3-(2-cyclopropyl-6-methyl-phen-oxy)-pyridazin-4-ol, mixts. containing  
 500008-45-7D, Chlorantraniliprole, mixts. containing 560121-52-0D,  
 Cyenopyrafen, mixts. containing 570415-88-2D, mixts. containing  
 581809-46-3D,  
 Bixafen, mixts. containing 599194-51-1D, mixts. containing 599197-38-3D,

mixts. containing 658066-35-4D, Fluopyram, mixts. containing 736994-63-1D, Cyazypyr, mixts. containing 750643-57-3D, Enestroburin, mixts. containing 765286-17-7D, 2-(4-Chloro-phenyl)-N-[4-(3,4-dimethoxy-phenyl)-isoxazol-5-yl]-2-prop-2-ynyloxy-acetamide, mixts. containing 799247-52-2D, Pyribencarb, mixts. containing 847749-37-5D, 3-[5-(4-Chlorophenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 858954-83-3D, mixts. containing 863549-51-3D, Lepimectin, mixts. containing 865235-74-1D, 6-Octyl-5-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865315-53-3D, 6-Methyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865315-56-6D, 6-Ethyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865318-97-4D, 5-Ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865318-98-5D, 5-Ethyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 868390-90-3D, mixts. containing 870765-96-1D, N'-[2-Methyl-5-trifluoromethyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 870765-98-3D, N'-[5-Difluoromethyl-2-methyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 872121-91-0D, N-(3',5'-Dichlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 872121-95-4D, N-(2',4'-Dichlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 872121-96-5D, N-(2',5'-Difluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 872122-03-7D, N-(2',4'-Difluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 874967-67-6D, Sedaxane, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 905961-53-7D, 5-Methoxymethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 907204-31-3D, mixts. containing 918154-92-4D, N-[1-[1-(4-Cyanophenyl)ethanesulfonyl]but-2-yl]carbamic acid (4-fluorophenyl) ester, mixts. containing 918160-77-7D, N-(3'-Chlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 918160-79-9D, N-(3'-Fluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 918830-12-3D, N-(2',5'-Dichlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 918886-15-4D, N-(3',5'-Difluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 919487-25-5D, N-(2'-Chlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 919487-31-3D, N-(2'-Fluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 922175-03-9D, 5-Methyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 922175-29-9D, 6-(3,4-Dichlorophenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 922175-90-4D, 5-Trifluoromethyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 923953-98-4D, N-[2-(1,1,2,2-Tetrafluoroethoxy)phenyl]-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 923954-20-5D, N-[2-(1,1,2,3,3,3-Hexafluoropropoxy)phenyl]-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 943831-36-5D, mixts. containing 943831-98-9D, mixts. containing 945615-47-4D, 3-[5-(4-Methylphenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 949575-92-2D, N-(4'-Trifluoromethylthiobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 958647-10-4D, Flutianil, mixts. containing 1020398-65-5D, 1-(4-Chlorophenyl)-2-([1,2,4]triazol-1-yl)cycloheptanol, mixts. containing 1086785-89-8D, mixts. containing 1198080-78-2D, mixts. containing 1198080-79-3D, mixts. containing 1198080-81-7D, mixts. containing 1198080-82-8D, mixts. containing 1198080-96-4D, mixts. containing



1231776-28-5D, mixts. containing 1231776-29-6D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. containing butylphenylchloropyridinyl  
 morpholinyl propenone and at least one further active compound)

AB The present invention relates to a mixture, comprising a  
 3-(4-tert.-butyl-phenyl)- 3-(2-chloro-pyridin-4-yl)-1-morpholin-4-yl-  
 propenone and at least one active compound II, selected from groups (A) to  
 (I) as defined in the description, in a synergistically effective amount,  
 and to compns. comprising these mixts.

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ACCESSION NUMBER: 2010:560107 CAPLUS

DOCUMENT NUMBER: 152:542968

TITLE: Method for improving plant health by treating plant  
 with at least one benzoyl-substituted alanine compound

INVENTOR(S): Grossmann, Klaus; Volz, Petra; Witschel, Matthias

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 82pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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WO 2010049414	A1	20100506	WO 2009-EP64136	20091027
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2008-168089 A 20081031

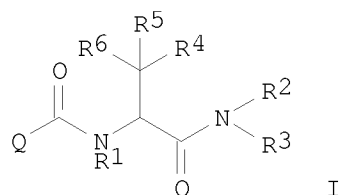
OTHER SOURCE(S): MARPAT 152:542968

IT 56-41-7D, L-Alanine, benzoyl-substituted derivs. 61-82-5D,  
 3-Amino-1,2,4-triazole, mixts. containing 69-72-7D, Salicylic acid, mixts.  
 containing 71-44-3D, Spermine, mixts. containing 86-86-2D,  
 1-Naphthaleneacetamide, mixts. containing 93-65-2D, Mecoprop, mixts.  
 containing  
 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-D, mixts. containing  
 110-60-1D, Putrescine, mixts. containing 120-36-5D, Dichlorprop, mixts.  
 containing 121-46-0D, 2,5-Norbornadiene, mixts. containing 121-79-9D,  
 n-Propyl  
 gallate, mixts. containing 122-34-9D, Simazine, mixts. containing  
 124-20-9D,  
 Spermidine, mixts. containing 137-26-8D, Thiram, mixts. containing  
 999-81-5D,  
 Chlormequat chloride, mixts. containing 1071-83-6D, Glyphosate, mixts.  
 containing 1214-39-7D, N-6-Benzyladenine, mixts. containing 1689-83-4D,  
 Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing  
 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts.  
 containing 1897-45-6D, Chlorothalonil, mixts. containing 1912-24-9D,  
 Atrazine,  
 mixts. containing 1918-00-9D, Dicamba, mixts. containing 1918-02-1D,  
 Picloram,

mixts. containing 2781-85-3D, Cyclopropene, mixts. containing 3100-04-7D,  
 1-Methylcyclopropene, mixts. containing 3347-22-6D, Dithianon, mixts.  
 containing  
 5915-41-3D, Terbutylazine, mixts. containing 9006-42-2D, Metiram, mixts.  
 containing 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D,  
 Phenmedipham, mixts. containing 14701-21-4D, mixts. containing, biological  
 studies 15545-48-9D, Chlortoluron, mixts. containing 16672-87-0D,  
 Ethephon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing  
 23103-98-2D, Pirimicarb, mixts. containing 23564-05-8D, Thiophanate-methyl,  
 mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24307-26-4D,  
 Mepiquat chloride, mixts. containing 25057-89-0D, Bentazone, mixts.  
 containing  
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 containing 27605-76-1D, Probenazole, mixts. containing 34123-59-6D,  
 Isoproturon, mixts. containing 36734-19-7D, Iprodione, mixts. containing  
 39148-24-8D, Fosetyl aluminum, mixts. containing 40487-42-1D, Pendimethalin,  
 mixts. containing 41394-05-2D, Metamitron, mixts. containing 42576-02-3D,  
 Bifenox, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing  
 50594-66-6D, Acifluorfen, mixts. containing 51276-47-2D, Glufosinate, mixts.  
 containing 52315-07-8D, Cypermethrin, mixts. containing 52888-80-9D,  
 Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing  
 53112-28-0D, Pyrimethanil, mixts. containing 56512-51-7D, Vinylglycine,  
 derivs., mixts. containing 57837-19-1D, Metalaxyl, mixts. containing  
 57966-95-7D, Cymoxanil, mixts. containing 60207-90-1D, Propiconazole, mixts.  
 containing 66230-04-4D, Esfenvalerate, mixts. containing 67129-08-2D,  
 Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing  
 67375-30-8D, Alpha-cypermethrin, mixts. containing 67564-91-4D,  
 Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing  
 68085-85-8D, Cyhalothrin, mixts. containing 68359-37-5D, Cyfluthrin, mixts.  
 containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D,  
 Fluroxypyr,  
 mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 73250-68-7D,  
 Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing  
 76674-21-0D, Flutriafol, mixts. containing 79277-67-1D, Thifensulfuron,  
 mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing  
 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts.  
 containing 81335-77-5D, Imazethapyr, mixts. containing 81777-89-1D,  
 Clomazone,  
 mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82657-04-3D,  
 Bifenthrin, mixts. containing 83164-33-4D, Diflufenican, mixts. containing  
 84087-01-4D, Quinclorac, mixts. containing 85509-19-9D, Flusilazole, mixts.  
 containing 87674-68-8D, Dimethenamid, mixts. containing 87820-88-0D,  
 Tralkoxydim, mixts. containing 90717-03-6D, Quinmerac, mixts. containing  
 94361-06-5D, Cyproconazole, mixts. containing 95266-40-3D, Trinexapac-ethyl,  
 mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 99105-77-8D,  
 Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing  
 100728-84-5D, Imazamethabenz, mixts. containing 101205-02-1D, mixts.  
 containing  
 104098-48-8D, Imazapic, mixts. containing **104206-82-8D**,  
 Mesotrione, mixts. containing 106040-48-6D, Tribenuron, mixts. containing  
 107534-96-3D, Tebuconazole, mixts. containing 108173-90-6D, Guazatine,  
 mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing  
 110488-70-5D,  
 Dimethomorph, mixts. containing 111479-05-1D, Propaquizafop, mixts.  
 containing  
 111988-49-9D, Thiacloprid, mixts. containing 113136-77-9D, Cyclanilide,  
 mixts. containing 114311-32-9D, Imazamox, mixts. containing 117428-22-5D,  
 Picoxystrobin, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing  
 119446-68-3D, Difenconazole, mixts. containing 120068-37-3D, Fipronil,  
 mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing  
 121552-61-2D,  
 Cyprodinil, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing

124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 136426-54-5D, Fluquinconazole, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 145701-23-1D, Florasulam, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxymid, mixts. containing 150315-10-9D, Flupyrasulfuron, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 200509-41-7D, Quisqualop-P-tefuryl, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 224049-04-1D, Isotianil, mixts. containing 248593-16-0D, Orysastrobin, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 581809-46-3D, Bixafen, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 915960-61-1 915960-61-1D, salts, mixts. containing 1225133-73-2D, salts, mixts. containing 1225133-74-3 1225133-74-3D, salts, mixts. containing 1225133-75-4 1225133-75-4D, salts, mixts. containing 1225133-76-5 1225133-76-5D, salts, mixts. containing 1225133-77-6 1225133-77-6D, salts, mixts. containing 1225133-78-7 1225133-78-7D, salts, mixts. containing 1225133-79-8 1225133-79-8D, salts, mixts. containing 1225133-80-1 1225133-80-1D, salts, mixts. containing 1225133-81-2 1225133-81-2D, salts, mixts. containing 1225133-82-3 1225133-82-3D, salts, mixts. containing 1225133-83-4 1225133-83-4D, salts, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (method for improving plant health by treating plant with at least one benzoyl-substituted alanine compound)

GI



AB A method for improving the health of a plant is described. The method comprises treating the plant and/or the locus where the plant is growing or is intended to grow and/or the plant propagules with a plant health improving amount of at least one benzoyl-substituted alanine compound (A) of the formula (I), in which the variables are defined in the description. Compound A may optionally be combined with a compound B comprised of pesticide(s).

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:559983 CAPLUS

DOCUMENT NUMBER: 152:542967

TITLE: Method for improving plant health by treating plant with at least one heteroaroyl-substituted alanine compound

INVENTOR(S): Grossmann, Klaus; Volz, Petra; Witschel, Matthias

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 79pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010049405	A1	20100506	WO 2009-EP64118	20091027
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2008-168094 A 20081031

OTHER SOURCE(S): MARPAT 152:542967

IT 56-41-7D, L-Alanine, heteroaroyl-substituted derivs. 61-82-5D, 3-Amino-1,2,4-triazole, mixts. containing 69-72-7D, Salicylic acid, mixts. containing 71-44-3D, Spermine, mixts. containing 86-86-2D, 1-Naphthaleneacetamide, mixts. containing 93-65-2D, Mecoprop, mixts.

containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-D, mixts. containing 110-60-1D, Putrescine, mixts. containing 120-36-5D, Dichlorprop, mixts. containing 121-46-0D, 2,5-Norbornadiene, mixts. containing 121-79-9D,

n-Propyl gallate, mixts. containing 122-34-9D, Simazine, mixts. containing

124-20-9D, Spermidine, mixts. containing 137-26-8D, Thiram, mixts. containing

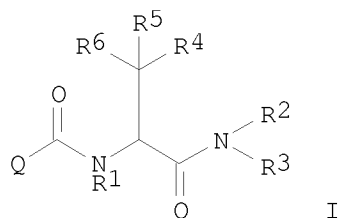
999-81-5D, Chlormequat chloride, mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1214-39-7D, N-6-Benzyladenine, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1912-24-9D,

Atrazine, mixts. containing 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram,

mixts. containing 2781-85-3D, Cyclopropene, mixts. containing 3100-04-7D,  
 1-Methylcyclopropene, mixts. containing 3347-22-6D, Dithianon, mixts.  
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 studies 15545-48-9D, Chlortoluron, mixts. containing 16672-87-0D,  
 Ethephon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing  
 23103-98-2D, Pirimicarb, mixts. containing 23564-05-8D, Thiophanate-methyl,  
 mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24307-26-4D,  
 Mepiquat chloride, mixts. containing 25057-89-0D, Bentazone, mixts.  
 containing  
 26225-79-6D, Ethofumesate, mixts. containing 27355-22-2D, Phthalide, mixts.  
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 Isoproturon, mixts. containing 36734-19-7D, Iprodione, mixts. containing  
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 mixts. containing 41394-05-2D, Metamitron, mixts. containing 42576-02-3D,  
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 68085-85-8D, Cyhalothrin, mixts. containing 68359-37-5D, Cyfluthrin, mixts.  
 containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D,  
 Fluroxypyr,  
 mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 73250-68-7D,  
 Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing  
 76674-21-0D, Flutriafol, mixts. containing 79277-67-1D, Thifensulfuron,  
 mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing  
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 Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing  
 100728-84-5D, Imazamethabenz, mixts. containing 101205-02-1D, mixts.  
 containing  
 104098-48-8D, Imazapic, mixts. containing **104206-82-8D**,  
 Mesotrione, mixts. containing 106040-48-6D, Tribenuron, mixts. containing  
 107534-96-3D, Tebuconazole, mixts. containing 108173-90-6D, Guazatine,  
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 110488-70-5D,  
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 111988-49-9D, Thiacloprid, mixts. containing 113136-77-9D, Cyclanilide,  
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 Picoxystrobin, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing  
 119446-68-3D, Difenconazole, mixts. containing 120068-37-3D, Fipronil,  
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 121552-61-2D,  
 Cyprodinil, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing

124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 136426-54-5D, Fluquinconazole, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 145701-23-1D, Florasulam, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxymid, mixts. containing 150315-10-9D, Flupyrasulfuron, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 200509-41-7D, Quizalofop-P-tefuryl, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 224049-04-1D, Isotianil, mixts. containing 248593-16-0D, Orysastrobin, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 581809-46-3D, Bixafen, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 916147-68-7D, salts, mixts. containing 1225136-38-8D, salts, mixts. containing 1225136-40-2D, salts, mixts. containing 1225136-43-5D, salts, mixts. containing 1225136-44-6D, salts, mixts. containing 1225136-45-7D, salts, mixts. containing 1225136-46-8D, salts, mixts. containing 1225136-49-1 1225136-49-1D, salts, mixts. containing 1225136-50-4 1225136-50-4D, salts, mixts. containing 1225136-52-6 1225136-52-6D, salts, mixts. containing 1225136-54-8 1225136-54-8D, salts, mixts. containing 1225136-55-9 1225136-55-9D, salts, mixts. containing 1225136-58-2D, salts, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (method for improving plant health by treating plant with at least one heteroaroyl-substituted alanine compound)

GI



AB A method for improving the health of a plant is described. The method comprises treating the plant and/or the locus where the plant is growing or is intended to grow and/or the plant propagules with a plant health improving amount of at least one heteroaroyl-substituted alanine compound (A) of the formula (I), in which the variables are defined in the description. Compound A may optionally be combined with a compound B comprised of pesticide(s).

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:241615 CAPLUS

DOCUMENT NUMBER: 152:305560

TITLE: Pesticide combinations with GABA useful for alleviating stress conditions for desirable plants, and for weed and pest control

INVENTOR(S): Lewis, Gregory Keith

PATENT ASSIGNEE(S): Plant Health Care, Inc., USA

SOURCE: PCT Int. Appl., 45pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010022251	A2	20100225	WO 2009-US54489	20090820
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20100048397	A1	20100225	US 2009-544752	20090820
PRIORITY APPLN. INFO.:			US 2008-91220P	P 20080822
IT 50-31-7D, 2,3,6-TBA, mixts. containing 55-38-9D,			52-68-6D, mixts. containing	
Fenthion, mixts. containing			56-12-2D, mixts. containing 56-38-2D,	
Parathion,				
mixts. containing			56-86-0D, Glutamic acid, mixts. containing 58-89-9D, HCH,	
mixts. containing			60-51-5D, Dimethoate, mixts. containing 61-82-5D,	
Amitrole,				
mixts. containing			62-38-4D, Phenylmercury acetate, mixts. containing	
62-56-6D,				

Thiourea, mixts. containing 63-25-2D, Carbaryl, mixts. containing 71-55-6D,  
 TCA, mixts. containing 74-83-9D, Methyl bromide, mixts. containing  
 74-88-4D,  
 Iodomethane, mixts. containing 75-60-5D, Cacodylic acid, mixts. containing  
 75-99-0D, Dalapon, mixts. containing 78-34-2D, Dioxathion, mixts. containing  
 79-11-8D, Monochloroacetic acid, mixts. containing 85-34-7D, Chlorfenac,  
 mixts. containing 86-50-0D, Azinphos-methyl, mixts. containing 87-86-5D,  
 Pentachlorophenol, mixts. containing 88-85-7D, Dinoseb, mixts. containing  
 93-65-2D, Mecoprop, mixts. containing 93-71-0D, Allidochlor, mixts.  
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 93-72-1D, Fenoprop, mixts. containing 93-76-5D, 2,4,5-T, mixts. containing  
 93-80-1D, 2,4,5-TB, mixts. containing 94-74-6D, MCPA, mixts. containing  
 94-75-7D, 2,4-D, mixts. containing 94-81-5D, MCPB, mixts. containing  
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 mixts. containing 116-16-5D, Hexachloroacetone, mixts. containing  
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 containing 122-88-3D, 4-CPA, mixts. containing 123-99-9D, Azelaic acid,  
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 containing 124-58-3D, MAA, mixts. containing 126-75-0D, Demeton S, mixts.  
 containing 132-66-1D, Naptalam, mixts. containing 133-90-4D, Chloramben,  
 mixts. containing 136-25-4D, Erbon, mixts. containing 139-40-2D, Propazine,  
 mixts. containing 144-21-8D, DSMA, mixts. containing 144-54-7D, Metam,  
 mixts.  
 containing 145-73-3D, mixts. containing 149-26-8D, Disul, mixts. containing  
 150-68-5D, Monuron, mixts. containing 156-62-7D, Calcium cyanamide, mixts.  
 containing 297-97-2D, Thionazin, mixts. containing 298-00-0D,  
 Parathion-methyl, mixts. containing 298-02-2D, Phorate, mixts. containing  
 299-85-4D, DMPA, mixts. containing 300-76-5D, Naled, mixts. containing  
 301-12-2D, Oxydemeton M, mixts. containing 330-54-1D, Diuron, mixts.  
 containing  
 330-55-2D, Linuron, mixts. containing 420-04-2D, Cyanamide, mixts. containing  
 470-90-6D, Chlorfenvinphos, mixts. containing 502-55-6D, EXD, mixts.  
 containing  
 534-52-1D, DNOC, mixts. containing 555-37-3D, Neburon, mixts. containing  
 556-61-6D, Methyl isothiocyanate, mixts. containing 563-12-2D, Diethion,  
 mixts. containing 580-48-3D, Chlorazine, mixts. containing 587-56-4D, CEPC,  
 mixts. containing 588-22-7D, 3,4-DA, mixts. containing 590-28-3D, Potassium  
 cyanate, mixts. containing 673-04-1D, Simeton, mixts. containing 709-98-8D,  
 Propanil, mixts. containing 732-11-6D, Phosmet, mixts. containing  
 741-58-2D,  
 Bensulide, mixts. containing 756-09-2D, Flupropanate, mixts. containing  
 759-94-4D, EPTC, mixts. containing 780-11-0D, Terbam, mixts. containing  
 786-19-6D, Carbofenthion, mixts. containing 834-12-8D, Ametryn, mixts.  
 containing 841-06-5D, Methoprotryne, mixts. containing 886-50-0D,  
 Terbutryn,  
 mixts. containing 919-86-8D, Demeton-S-methyl, mixts. containing 944-22-9D,  
 Fonophos, mixts. containing 957-51-7D, Diphenamide, mixts. containing



1014-69-3D, Desmetryn, mixts. containing 1014-70-6D, Simetryn, mixts.  
 containing  
 1071-83-6D, Glyphosate, mixts. containing 1113-02-6D, Omethoate, mixts.  
 containing 1114-71-2D, Pebulate, mixts. containing 1129-41-5D, Metolcarb,  
 mixts. containing 1134-23-2D, Cycloate, mixts. containing 1194-65-6D,  
 Dichlobenil, mixts. containing 1303-96-4D, Borax (B<sub>4</sub>Na<sub>2</sub>O<sub>7</sub>·10H<sub>2</sub>O), mixts.  
 containing 1319-77-3D, Cresol, mixts. containing 1420-07-1D, Dinoterb,  
 mixts.  
 containing 1468-37-7D, Dimexano, mixts. containing 1563-66-2D, Carbofuran,  
 mixts. containing 1610-17-9D, Atraton, mixts. containing 1610-18-0D,  
 Prometon,  
 mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D,  
 Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing  
 1702-17-6D, Clopyralid, mixts. containing 1746-81-2D, Monolinuron, mixts.  
 containing 1771-07-9D, Methometon, mixts. containing 1773-37-1D,  
 Carbasulam,  
 mixts. containing 1824-09-5D, Mesoprazine, mixts. containing 1836-77-7D,  
 Chlornitrofen, mixts. containing 1861-40-1D, Benfluralin, mixts. containing  
 1861-44-5D, Tritac, mixts. containing 1891-95-8D, Chloroxynil, mixts.  
 containing  
 1910-42-5D, Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts.  
 containing  
 1912-25-0D, Ipazine, mixts. containing 1912-26-1D, Trietazine, mixts.  
 containing  
 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram, mixts.  
 containing  
 1918-11-2D, Terbucarb, mixts. containing 1918-13-4D, Chlorthiamid, mixts.  
 containing 1918-16-7D, Propachlor, mixts. containing 1918-18-9D, Swep,  
 mixts.  
 containing 1929-77-7D, Vernolate, mixts. containing 1929-88-0D,  
 Benzthiazuron,  
 mixts. containing 1966-58-1D, Dichlormate, mixts. containing 1967-16-4D,  
 Chlorbufam, mixts. containing 1970-40-7D, Pyriclor, mixts. containing  
 1982-47-4D, Chloroxuron, mixts. containing 1982-49-6D, Siduron, mixts.  
 containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb,  
 mixts. containing 2122-77-2D, Fenteracol, mixts. containing 2136-79-0D,  
 Chlorthal, mixts. containing 2150-32-5D, CPPEC, mixts. containing  
 2163-80-6D,  
 MSMA, mixts. containing 2164-09-2D, Chloranocryl, mixts. containing  
 2164-13-8D, BCPC, mixts. containing 2164-17-2D, Fluometuron, mixts.  
 containing  
 2212-67-1D, Molinate, mixts. containing 2274-67-1D, Dimethylvinphos, mixts.  
 containing 2275-18-5D, Prothoate, mixts. containing 2275-23-2D,  
 Vamidothion,  
 mixts. containing 2303-16-4D, Diallate, mixts. containing 2303-17-5D,  
 Triallate, mixts. containing 2307-49-5D, Tricamba, mixts. containing  
 2307-68-8D, Pentanochlor, mixts. containing 2310-17-0D, Phosalone, mixts.  
 containing 2312-35-8D, Propargite, mixts. containing 2315-36-8D, CDEA,  
 mixts.  
 containing 2321-53-1D, MAMA, mixts. containing 2425-10-7D, Xyllylcarb,  
 mixts.  
 containing 2464-37-1D, Chlorflurenol, mixts. containing 2540-82-1D,  
 Formothion, mixts. containing 2544-94-7D, Etinofen, mixts. containing  
 2595-54-2D, Mecarbam, mixts. containing 2597-03-7D, Phenthoate, mixts.  
 containing 2631-37-0D, Promecarb, mixts. containing 2631-40-5D, Isoprocab,  
 mixts. containing 2636-26-2D, Cyanophos, mixts. containing 2642-71-9D,  
 Azinphos A, mixts. containing 2674-91-1D, Oxydeprofos, mixts. containing  
 2689-43-2D, Anisuron, mixts. containing 2693-61-0D, Haloxydine, mixts.  
 containing 2759-71-9D, Cypromid, mixts. containing 2764-72-9D, Diquat,  
 mixts.  
 containing 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**,  
 Chloropyrifos, mixts. containing 2941-55-1D, Ethiolate, mixts. containing

3042-84-0D, mixts. containing 3050-27-9D, Trimeturon, mixts. containing 3060-89-7D, Metobromuron, mixts. containing 3134-12-1D, Phenobenzuron, mixts. containing 3134-70-1D, Isopolinate, mixts. containing 3278-46-4D, Chloropon, mixts. containing 3295-78-1D, Dimidazon, mixts. containing 3307-37-7D, 3,4-DB, mixts. containing 3307-39-9D, 4-CPP, mixts. containing 3307-41-3D, 3,4-DP, mixts. containing 3337-71-1D, Asulam, mixts. containing 3383-96-8D, Temephos, mixts. containing 3547-07-7D, 4-CPB, mixts. containing 3615-21-2D, Chlorflurazole, mixts. containing 3689-24-5D, Sulfotep, mixts. containing 3703-46-6D, Rhodethanil, mixts. containing 3761-41-9D, Mesulfenphos, mixts. containing 3766-60-7D, Buturon, mixts. containing 3766-81-2D, Fenobucarb, mixts. containing 3811-49-2D, Salithion, mixts. containing 3813-05-6D, Benazolin, mixts. containing 3926-62-3D, SMA, mixts. containing 3996-59-6D, Medinoterb, mixts. containing 4024-81-1D, OCH, mixts. containing 4147-51-7D, Dipropetryn, mixts. containing 4212-93-5D, Terbuchlor, mixts. containing 4489-31-0D, Oxapyrazon, mixts. containing 4636-83-3D, mixts. containing 4658-28-0D, Aziprotryne, mixts. containing 4726-14-1D, Nitralin, mixts. containing 4824-78-6D, Bromophos A, mixts. containing 4849-32-5D, Karbutilate, mixts. containing 5234-68-4D, Carboxin, mixts. containing 5251-93-4D, Benzadox, mixts. containing 5902-51-2D, Terbacil, mixts. containing 5902-95-4D, CMA, mixts. containing 5915-41-3D, Terbutylazine, mixts. containing 6012-85-7D, EBEP, mixts. containing 6022-33-9D, CPMF, mixts. containing 6682-77-5D, Tripropindan, mixts. containing 7159-99-1D, Parafluron, mixts. containing 7286-69-3D, Sebuthylazine, mixts. containing 7287-19-6D, Prometryn, mixts. containing 7287-36-7D, Monalide, mixts. containing 7292-16-2D, Propaphos, mixts. containing 7664-93-9D, Sulfuric acid, mixts. containing 7720-78-7D, Ferrous sulfate, mixts. containing 7758-98-7D, Copper sulfate, mixts. containing 7773-06-0D, Ammonium sulfamate, mixts. containing 7775-09-9D, Sodium chlorate, mixts. containing 7786-34-7D, Mevinphos, mixts. containing 8022-00-2D, Demeton M, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (pesticide combinations with GABA useful for alleviating stress conditions for desirable plants, and for weed and pest control)

IT 8065-36-9D, Bufencarb, mixts. containing 10124-50-2D, Potassium arsenite, mixts. containing 10137-74-3D, Calcium chlorate, mixts. containing 10265-92-6D, Methamidophos, mixts. containing 10453-56-2D, cis-Resmethrin, mixts. containing 12407-86-2D, Trimethacarb, mixts. containing **13071-79-9D**, Terbufos, mixts. containing 13121-70-5D, Cyhexatin, mixts. containing 13181-17-4D, Bromofenoxim, mixts. containing 13194-48-4D, Ethoprophos, mixts. containing 13356-08-6D, Fenbutatin oxide, mixts. containing 13360-45-7D, Chlorbromuron, mixts. containing 13464-37-4D, Sodium arsenite, mixts. containing 13577-71-4D, Fluoromidine, mixts. containing 13684-44-1D, Phenmedipham-ethyl, mixts. containing 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing 13738-63-1D, Fluoronitrofen, mixts. containing 14214-32-5D, Difenoxuron, mixts. containing 14437-20-8D, Chlorfenprop, mixts. containing 14491-59-9D, Credazine, mixts. containing 14816-18-3D, Phoxim, mixts. containing 15165-67-0D, Dichlorprop-P, mixts. containing 15263-53-3D, Cartap, mixts. containing 15299-99-7D, Napropamide, mixts. containing 15457-05-3D, Fluorodifen, mixts. containing 15545-48-9D, Chlorotoluron, mixts. containing 15972-60-8D, Alachlor, mixts. containing 16118-49-3D, Carbetamide, mixts. containing 16484-77-8D, Mecoprop-P, mixts. containing 16752-77-5D, Methomyl, mixts. containing 17029-22-0D, Hexaflurate, mixts. containing 17109-49-8D, Edifenphos, mixts. containing 17606-31-4D, Bensultap, mixts. containing 18357-78-3D, Methiobencarb, mixts. containing 18530-56-8D, Noruron, mixts. containing

18691-97-9D, Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts. containing 19044-88-3D, Oryzalin, mixts. containing 19360-02-2D, Alorac, mixts. containing 19527-13-0D, Nitromethylene, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 19937-59-8D, Metoxuron, mixts. containing 20354-26-1D, Methazole, mixts. containing 20425-39-2D, Pyresmethrin, mixts. containing 20762-60-1D, Potassium azide, mixts. containing

20782-58-5D, Chloreturon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21267-72-1D, Prynachlor, mixts. containing 21540-35-2D,

Methiuron, mixts. containing 21689-84-9D, Cyanatryn, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22212-56-2D, Benzoylprop, mixts. containing 22224-92-6D, Fenamiphos, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts. containing 22571-07-9D, mixts. containing 22781-23-3D, Bendiocarb, mixts. containing 22839-47-0D, Aspartame, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22936-86-3D, Cyprazine, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23121-99-5D, Chlorprocarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts. containing 23505-41-1D, Pirimiphos A, mixts. containing 23526-02-5D, Thuringiensin, mixts. containing 23560-59-0D, Heptenophos, mixts. containing 23576-23-0D, Metflurazon, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24151-93-7D,

Piperophos, mixts. containing 24353-58-0D, Delachlor, mixts. containing 24934-91-6D, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing 25366-23-8D, Thiazafluron, mixts. containing

25475-73-4D, Flumezin, mixts. containing 25671-45-8D, Iodobonil, mixts. containing 25671-46-9D, Bromobonil, mixts. containing 26087-47-8D,

Iprobenfos, mixts. containing 26129-32-8D, Clofop, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26259-45-0D, Secbumeton, mixts. containing 26399-36-0D, Profluralin, mixts. containing 26628-22-8D, Sodium azide, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27541-88-4D, Quinonamid, mixts. containing 27954-37-6D, Tetrafluron, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-05-2D, Dinitramine, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D,

Pirimiphos M, mixts. containing 29973-13-5D, Ethiofencarb, mixts. containing

30043-49-3D, Ethidimuron, mixts. containing 30043-55-1D, Butiuron, mixts. containing 30182-24-2D, mixts. containing 30560-19-1D, Acephate, mixts. containing 30979-48-7D, Isocarbamide, mixts. containing 32861-85-1D, Chlomethoxyfen, mixts. containing 32889-48-8D, Procyazine, mixts. containing 33089-61-1D, Amitraz, mixts. containing 33245-39-5D, Fluchloralin, mixts. containing 33439-45-1D, Fluothiuron, mixts. containing 33629-47-9D, Butralin, mixts. containing 33693-04-8D, Terbumeton, mixts. containing 33820-53-0D, Isopropalin, mixts. containing 34014-18-1D, Tebuthiuron, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34205-21-5D, Dimefuron, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34484-77-0D,

Cisanilide, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D, Prothiofos, mixts. containing 34681-10-2D, Butocarboxim, mixts. containing 35256-85-0D, Tebutam, mixts. containing 35256-86-1D, Benzipram, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35400-43-2D, Sulprofos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 35597-44-5D, Glufosinate P, mixts. containing 36335-67-8D, Butamifos, mixts. containing 36756-79-3D, Tiocarbazil, mixts. containing 37273-91-9D, Metaldehyde, mixts. containing 37924-13-3D, Perfluidone, mixts. containing 38260-54-7D, Etrimphos, mixts. containing 38725-95-0D, Diethatyl, mixts. containing 39196-18-4D, Thiofanox, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing

40020-01-7D, Pyridafol, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41083-11-8D, Azocyclotin, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41394-05-2D, Metamitron, mixts. containing 42089-03-2D, Cyprazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42609-73-4D, Methyldymron, mixts. containing 48134-75-4D, Cyperquat, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 50594-66-6D, Acifluorfen, mixts. containing 51068-60-1D, Sulglycapin, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51528-03-1D, Prosulfalin, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Zeta-cypermethrin, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 54593-83-8D, Chlorethoxyfos, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55335-06-3D, Triclopyr, mixts. containing 55511-98-3D, Buthidazole, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55634-91-8D, Alloxymid, mixts. containing 55807-46-0D, Monisouron, mixts. containing 55808-13-4D, Carboxazole, mixts. containing 55861-78-4D, Isouron, mixts. containing 56141-00-5D, Cambendichlor, mixts. containing 57052-04-7D, Isomethiozin, mixts. containing 57375-63-0D, Phenisopham, mixts. containing 57801-46-4D, Methalpropalin, mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58138-08-2D, Tridiphane, mixts. containing 58594-74-4D, Trifop, mixts. containing 58667-63-3D, Flamprop, mixts. containing 59026-08-3D, Epronaz, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59682-52-9D, Fosamine, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60074-25-1D, Chlorazifop, mixts. containing 61213-25-0D, Flurochloridone, mixts. containing 61432-55-1D, Dimepiperate, mixts. containing 62850-32-2D, Fenothiocarb, mixts. containing 63114-77-2D, Xylachlor, mixts. containing 63935-38-6D, Cycloprothrin, mixts. containing 64249-01-0D, Anilofos, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 68049-83-2D, Azafenidin, mixts. containing 68085-85-8D, Clopythrin, mixts. containing 68228-19-3D, Eglinazone, mixts. containing 68228-20-6D, Proglinazone, mixts. containing 68359-37-5D, Beta-cyfluthrin, mixts. containing 68505-69-1D, Benfuresate, mixts. containing 68672-17-3D, Benzofluor, mixts. containing 68925-41-7D, Tioclorim, mixts. containing 69148-12-5D, Cliodinate, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69806-34-4D, Haloxypop, mixts. containing 70124-77-5D, Flucythrinate, mixts. containing 70288-86-7D, Ivermectin, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72131-76-1D, Trifopsime, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 73519-50-3D, Fenthiaprop, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74712-19-9D,

Bromobutide, mixts. containing 76120-02-0D, Etnipromid, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76636-10-7D, Amibuzin, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 77227-69-1D, Halosafen, mixts. containing 77501-60-1D, Fluoroglycofen, mixts. containing 77501-63-4D, Lactofen, mixts. containing 78168-93-1D, Ametrudione, mixts. containing 78357-48-9D, Fenasulam, mixts. containing 78587-05-0D,

Hexythiazox,

mixts. containing 78863-62-4D, Flufenican, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79510-48-8D, Metsulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(pesticide combinations with GABA useful for alleviating stress

conditions for desirable plants, and for weed and pest control)

IT 79622-59-6D, Fluazinam, mixts. containing 79637-88-0D, Chloethocarb, mixts. containing 80020-41-3D, Furyloxyfen, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 80844-07-1D, Ethofenprox, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D, Imazethapyr, mixts. containing 81416-44-6D, Difenopenten, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82558-50-7D, Isoxaben, mixts. containing 82560-54-1D, Benfuracarb, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D, Benzofenap, mixts. containing 83066-88-0D, Fluazifop-P, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 84087-01-4D, Quinclorac, mixts. containing 84478-52-4D, Flumipropyn, mixts. containing 84496-56-0D, Clomeprop, mixts. containing 85785-20-2D, Esprocarb, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 86763-47-5D, Propisochlor, mixts. containing 87310-56-3D, Butenachlor, mixts. containing 87392-12-9D, S-Metolachlor, mixts. containing 87547-04-4D, Flumiclorac, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87757-18-4D, Isoxapyrifop, mixts. containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 88485-37-4D, Fluxofenim, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing 89784-60-1D, Pyraclofos, mixts. containing 90134-59-1D, Flamprop-M, mixts. containing 90717-03-6D, Quinmerac, mixts. containing 94051-08-8D, Quizalofop-P, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 94593-91-6D, Cinosulfuron, mixts. containing 95465-99-9D, Cadusafos, mixts. containing 95480-33-4D, Cloproxydim, mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 95977-29-0D, Haloxyfop-P, mixts. containing 96182-53-5D, Tebupirimphos, mixts. containing 96489-71-3D, Pyridaben, mixts. containing 96491-05-3D, Thenylchlor, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 97886-45-8D, Dithiopyr, mixts. containing 98389-04-9D, Pyrazosulfuron, mixts. containing 98886-44-3D, Fosthiazate, mixts. containing 98967-40-9D, Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing 99283-00-8D, Chlorimuron, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 99485-76-4D, Cumyluron, mixts. containing 99662-11-0D, Nipyraclofen, mixts. containing 100728-84-5D, Imazamethabenz, mixts.

containing

101007-06-1D, Acrinathrin, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing

103055-07-8D,

Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing 104098-48-8D, Imazapic, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 105024-66-6D, Silafluofen, mixts. containing 105779-78-0D, Pyrimidifen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 107713-58-6D, Flufenprox, mixts. containing 110956-75-7D, Pentoxazone, mixts. containing 111353-84-5D, Ethametsulfuron, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing

111578-32-6D,

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Flupoxam, mixts. containing 119168-77-3D, Fenpyrad, mixts. containing 119791-41-2D, Emamectin, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 120928-09-8D, Fenazaquin, mixts. containing 120955-77-3D, NC 184, mixts. containing 122008-78-0D, Cyhalofop, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing 122836-35-5D, Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing 123249-43-4D, Thidiazimin, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 123342-93-8D, Pyriithiobac, mixts. containing 125306-83-4D, Cafenstrole, mixts. containing 125401-75-4D, Bispyribac, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 128621-72-7D, Carfentrazone, mixts. containing 129496-10-2D, mixts. containing 129630-17-7D, Pyraflufen, mixts. containing 129909-90-6D, Amicarbazone, mixts. containing 131475-57-5D, Triaziflam, mixts. containing 133220-30-1D, Indanofan, mixts. containing 134098-61-6D, Fenpyroximate, mixts. containing 135186-78-6D, Pyriftalid, mixts. containing 135397-30-7D, Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflusulfuron, mixts. containing 136191-56-5D, Pyriminobac, mixts. containing 136849-15-5D, Cyclosulfamuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138164-12-2D, Butoxydim, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139528-85-1D, Metosulam, mixts. containing 141112-06-3D, Isoxachlortole, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 142891-20-1D, Cinidon-ethyl, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 145026-81-9D, Propoxycarbazone, mixts. containing 145026-88-6D, Flucarbazone, mixts. containing 145099-21-4D, Trifloxysulfuron, mixts. containing 145701-21-9D, Diclosulam, mixts. containing 145701-23-1D, Florasulam, mixts. containing 149253-65-6D, Fluthiacet, mixts. containing 149979-41-9D, Tepraloxymid, mixts. containing 150114-71-9D, Aminopyralid, mixts. containing 150315-10-9D, Flupyrsulfuron, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153197-14-9D, Oxaziclonofone, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 156963-66-5D, Benzobicyclon, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing 159518-97-5D, Cloransulam, mixts. containing 163515-14-8D, Dimethenamid-P, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173980-17-1D, Bencarbazone, mixts. containing 174514-07-9D, Fluazolate, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 185119-76-0D, Iodosulfuron,

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Saflufenacil, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 400852-67-7D, Diethamquat, mixts. containing 412928-75-7D, Flucetosulfuron, mixts. containing 422556-08-9D, Pyroxsulam, mixts. containing 447399-55-5D, Pyroxasulfone, mixts. containing 473278-76-1D, Tefuryltrione, mixts.

containing

500008-45-7D, Chlorantraniliprole, mixts. containing 858956-08-8D, Aminocyclopyrachlor, mixts. containing 875655-36-0D, Butylpyridaben, mixts. containing 914987-23-8D, Thiafenox, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 1210056-80-6, GABA-glyphosate mixture 1210056-82-8 1210056-84-0 1210056-85-1 1210056-87-3, GABA-imidacloprid mixture

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(pesticide combinations with GABA useful for alleviating stress conditions for desirable plants, and for weed and pest control)

AB Embodiments herein provide the formulation and use of gamma-aminobutyric acid ("GABA") in combination with one or more of a herbicide and an insecticide. In one embodiment, the herbicide is glyphosate; in another, the insecticide is imidacloprid. Methods and formulations described and claimed herein may be useful for encouraging growth of desired plants while discouraging the growth of undesirable plants and/or pests. Method and formulations described and claimed herein may be useful for alleviating stress conditions for desirable plants, and for decreasing yield losses resulting from application of herbicides and/or insecticides.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

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ACCESSION NUMBER: 2008:1299737 CAPLUS

DOCUMENT NUMBER: 149:507223

TITLE: Improving the productivity of transgenic plants by use of herbicides, fungicides, or insecticides

INVENTOR(S): Voeste, Dirk; Haden, Egon; McKersie, Bryan; Wang, Xi-Qing; Hudelson, Timothy

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 218pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008129060	A2	20081030	WO 2008-EP54924	20080423
WO 2008129060	A3	20090219		
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,  
 IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,  
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,  
 TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,  
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

AU 2008240710	A1	20081030	AU 2008-240710	20080423
CA 2682294	A1	20081030	CA 2008-2682294	20080423
EP 2076602	A2	20090708	EP 2008-749670	20080423

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,  
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 SK, TR, AL, BA, MK, RS

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KR 2010015796	A	20100212	KR 2009-7022070	20080423
JP 2010524483	T	20100722	JP 2010-504673	20080423
IN 2009KN03308	A	20100709	IN 2009-KN3308	20090917
US 20100093715	A1	20100415	US 2009-596856	20091021
MX 2009011456	A	20091105	MX 2009-11456	20091023
CN 101668860	A	20100310	CN 2008-80013248	20091023

PRIORITY APPLN. INFO.:

US 2007-913349P	P	20070423
WO 2008-EP54924	W	20080423

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

IT 60-51-5D, Dimethoate, binary mixts. 62-73-7D, Dichlorvos, binary mixts.  
 63-25-2D, Carbaryl, binary mixts. 94-75-7D, 2,4-D, binary mixts.  
 115-29-7D, Endosulfan, binary mixts. 116-06-3D, Aldicarb, binary mixts.  
 122-14-5D, Fenitrothion, binary mixts. 133-06-2D, Captan, binary mixts.  
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 1918-00-9D, Dicamba, binary mixts. 1918-02-1D, Picloram, binary mixts.  
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mixts. 69335-91-7D, Fluazifop, binary mixts. 69377-81-7D, Fluroxypyr, binary mixts. 69806-34-4D, Haloxyfop, binary mixts. 71751-41-2D, Abamectin, binary mixts. 74051-80-2D, Sethoxydim, binary mixts. 74223-64-6D, Metsulfuronmethyl, binary mixts. 76674-21-0D, Flutriafol, binary mixts. **79538-32-2D**, Tefluthrin, binary mixts. 79622-59-6D, Fluazinam, binary mixts. 81334-34-1D, Imazapyr, binary mixts. 81335-37-7D, Imazaquin, binary mixts. 81335-77-5D, Imazethapyr, binary mixts. 81412-43-3D, Tridemorph, binary mixts. 81591-81-3D, Sulfosate, binary mixts. 82657-04-3D, Bifenthrin, binary mixts. 83121-18-0D, Teflubenzuron, binary mixts. 84087-01-4D, Quinclorac, binary mixts. 85509-19-9D, Flusilazole, binary mixts. 87674-68-8D, Dimethenamid, binary mixts. 87818-31-3D, Cinmethylin, binary mixts. 88671-89-0D, Myclobutanil, binary mixts. 90717-03-6D, Quinmerac, binary mixts. 90982-32-4D, Chlorimuron ethyl, binary mixts. 95617-09-7D, Fenoxaprop, binary mixts. 99129-21-2D, Clethodim, binary mixts. 99283-01-9D, Bensulfuron, binary mixts. 100728-84-5D, Imazamethabenz, binary mixts. 101205-02-1D, Cycloxydim, binary mixts. 101463-69-8D, Flufenoxuron, binary mixts. 103055-07-8D, Lufenuron, binary mixts. 104098-48-8D, Imazapic, binary mixts. **104206-82-8D**, Mesotrione, binary mixts. 107534-96-3D, Tebuconazole, binary mixts. 109293-97-2D, Diflufenzopyr, binary mixts. 110488-70-5D, Dimethomorph, binary mixts. 111988-49-9D, Thiachloprid, binary mixts. 111991-09-4D, Nicosulfuron, binary mixts. 112281-77-3D, Tetraconazole, binary mixts. 114311-32-9D, Imazamox, binary mixts. 114420-56-3D, Clodinafop, binary mixts. 118134-30-8D, Spiroxamine, binary mixts. 119446-68-3D, Difenconazole, binary mixts. 119791-41-2D, Eamectin, binary mixts. 120068-37-3D, Fipronil, binary mixts. 121552-61-2D, Cyprodinil, binary mixts. 122453-73-0D, Chlorfenapyr, binary mixts. 122931-48-0D, Rimsulfuron, binary mixts. 125116-23-6D, Metconazole, binary mixts. 131341-86-1D, Fludioxonil, binary mixts. 131807-57-3D, Famoxadone, binary mixts. 131860-33-8D, Azoxystrobin, binary mixts. 131983-72-7D, Triticonazole, binary mixts. 133855-98-8D, Epoxiconazole, binary mixts. 135410-20-7D, Acetamiprid, binary mixts. 135990-29-3D, Triflusulfuron, binary mixts. 136426-54-5D, Fluquinconazole, binary mixts. 136849-15-5D, Cyclosulfamuron, binary mixts. 137641-05-5D, Picolinafen, binary mixts. 138261-41-3D, Imidacloprid, binary mixts. 139001-49-3D, Profoxydim, binary mixts. 139968-49-3D, Metaflumizone, binary mixts. 141517-21-7D, Trifloxystrobin, binary mixts. 142891-20-1D, Cinidonethyl, binary mixts. 143390-89-0D, Kresoximmethyl, binary mixts. 145701-23-1D, Florasulam, binary mixts. 149961-52-4D, Dimoxystrobin, binary mixts. 149979-41-9D, Tepraloxym, binary mixts. **153719-23-4D**, Thiamethoxam, binary mixts. 158062-67-0D, Flonicamid, binary mixts. 165252-70-0D, Dinotefuran, binary mixts. 168316-95-8D, Spinosad, binary mixts. 173584-44-6D, Indoxacarb, binary mixts. 175013-18-0D, Pyraclostrobin, binary mixts. 178928-70-6D, Prothioconazole, binary mixts. 183675-82-3D, Penthiopyrad, binary mixts. 185119-76-0D, Iodosulfuron, binary mixts. 188425-85-6D, Boscalid, binary mixts. 203313-25-1D, Spirotetramat, binary mixts. 210631-68-8D, Topramezone, binary mixts. 210880-92-5D, Clothianidin, binary mixts. 220899-03-6D, Metrafenone, binary mixts. 239110-15-7D, Fluopicolide, binary mixts. 248593-16-0D, Orysastrobin, binary mixts. 272451-65-7D, Flubendiamide, binary mixts. 372137-35-4D, Saflufenacil, binary mixts. 400852-66-6D, Mesosulfuron, binary mixts. 400882-07-7D, Cyflumetofen, binary mixts. 447399-55-5D, Pyroxasulfone, binary mixts. 494793-67-8D, binary mixts. 500008-45-7D, Chlorantraniliprole, binary mixts. 581809-46-3D, Bixafen, binary mixts. 599194-51-1D, binary mixts. 599197-38-3D, binary mixts. 683777-14-2D, binary mixts. 736994-63-1D, Cyazypyr, binary mixts. 865318-97-4D, binary mixts. 874967-67-6D, binary mixts. 881685-58-1D, Isopyrazam, binary mixts. 907204-31-3D, binary mixts. 907204-32-4D, binary mixts. 935545-74-7D, Spinetoram, binary mixts. 949575-92-2D, binary mixts.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(improving productivity of transgenic plants by use of herbicides, fungicides, or insecticides)

AB A method of improving the productivity of transgenic plants by use of pest control agents, including herbicides, fungicides, and insecticides, is described. The use of pest control agents allows the plant to put more resources into productivity, with improved growth and yield performance.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD  
(6 CITINGS)

L12 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2008:127789 CAPLUS

DOCUMENT NUMBER: 148:208198

TITLE: Preparation of pesticide controlled release granules

INVENTOR(S): Pearson, Andrew; Chow, Victor; Reynolds, Johnny;  
Swanson, James

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.

SOURCE: PCT Int. Appl., 30pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008014185	A2	20080131	WO 2007-US73944	20070720
WO 2008014185	A3	20081218		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2007276884	A1	20080131	AU 2007-276884	20070720
CA 2657842	A1	20080131	CA 2007-2657842	20070720
EP 2046123	A2	20090415	EP 2007-799728	20070720
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
JP 2009544720	T	20091217	JP 2009-521913	20070720
ZA 2009000314	A	20100127	ZA 2009-314	20090114
KR 2009035714	A	20090410	KR 2009-7003700	20090223
CN 101505597	A	20090812	CN 2007-80031306	20090223
US 20100113269	A1	20100506	US 2009-374804	20091027
PRIORITY APPLN. INFO.:			US 2006-820137P	P 20060724
			WO 2007-US73944	W 20070720

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

IT **104206-82-8D**, Mesotrione, copper chelate 352010-68-5  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)  
(preparation of pesticide controlled release granules)

IT 7783-20-2, Ammonium sulfate, biological studies 60207-90-1,  
Propiconazole 70630-17-0, Mefenoxam 131341-86-1, Fludioxonil  
131860-33-8, Azoxystrobin **153719-23-4**, Thiamethoxam  
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL

(Biological study); USES (Uses)  
(preparation of pesticide controlled release granules)

AB The present invention relates to a pesticide controlled release granule technol., methods of preparing such a granule and methods for using the granule in the control of weeds present in turfgrass.

L12 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2007:696988 CAPLUS

DOCUMENT NUMBER: 147:89458

TITLE: Pesticide combinations including  
dichloroisoithiazolecarboxylic acid cyanoanilide for  
rice fields

INVENTOR(S): Kamochi, Shuzo; Ukawa, Seiji; Sone, Shinsaburo;  
Sakuma, Haruhiko; Sakurai, Tadashi

PATENT ASSIGNEE(S): Bayer Cropscience K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007161603	A	20070628	JP 2005-356542	20051209
KR 2007061438	A	20070613	KR 2006-124540	20061208
PRIORITY APPLN. INFO.:			JP 2005-356542	A 20051209

IT 114-26-1D, Propoxur, mixts. containing 1014-70-6D, Simetryn, mixts.  
containing

2797-51-5D, Quinoclamine, mixts. containing 3766-81-2D, Fenobucarb, mixts.  
containing 10265-92-6D, Methamidophos, mixts. containing 19666-30-9D,  
Oxadiazone, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing  
23184-66-9D, Butachlor, mixts. containing 25057-89-0D, Bentazone, mixts.  
containing 28249-77-6D, Benthocarb, mixts. containing 36335-67-8D,

Butamifos,  
mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 42609-52-9D,  
Dymron, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing  
55285-14-8D, Carbosulfan, mixts. containing 58011-68-0D, Pyrazolate, mixts.  
containing 61432-55-1D, Dimepiperate, mixts. containing 63935-38-6D,

Cyclosal  
(insecticide), mixts. containing 64249-01-0D, Anilofos, mixts. containing  
68505-69-1D, Benfuresate, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts.  
containing 73250-68-7D, Mefenacet, mixts. containing 74712-19-9D,

Bromobutide,  
mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 80844-07-1D,  
Etofenprox, mixts. containing 82560-54-1D, Benfuracarb, mixts. containing  
82692-44-2D, Benzofenap, mixts. containing 83055-99-6D, Bensulfuron methyl,  
mixts. containing 84496-56-0D, Clomeprop, mixts. containing 85785-20-2D,  
Esprocarb, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing  
93697-74-6D, Pyrazosulfuron-ethyl, mixts. containing 96491-05-3D,  
Thenylchlor, mixts. containing 97886-45-8D, Dithiopyr, mixts. containing  
99485-76-4D, Cumyluron, mixts. containing **104206-82-8D**,  
Mesotrione, mixts. containing 110956-75-7D, Pentoxazone, mixts. containing  
111988-49-9D, Thiachloprid, mixts. containing 120068-37-3D, Fipronil, mixts.  
containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122548-33-8D,  
Imazosulfuron, mixts. containing 125306-83-4D, Cafenstrole, mixts. containing  
126801-58-9D, Ethoxysulfuron, mixts. containing 133220-30-1D, Indanofan,  
mixts. containing 135186-78-6D, Pyriftalid, mixts. containing 135397-30-7D,  
Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing  
136849-15-5D, Cyclosulfamuron, mixts. containing 138261-41-3D, Imidacloprid,  
mixts. containing 147411-69-6D, Pyriminobac-methyl, mixts. containing  
153197-14-9D, Oxaziclonofone, mixts. containing **153719-23-4D**,

Thiamethoxam, mixts. containing 156963-66-5D, Benzobicyclon, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing 158353-15-2D, Pyraclonil, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 213464-77-8D, Orthosulfamuron, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 224049-04-1D, 3,4-Dichloroisothiazole-5-carboxylic acid 2-cyanoanilide, mixts. containing 259270-86-5D, HOK-201, mixts. containing 570415-88-2D, TH 547, mixts. containing 942130-88-3 942130-89-4  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(pesticides containing dichloroisothiazolecarboxylic acid cyanoanilide combined with herbicides and insecticides for rice fields)

AB Pesticides for rice contain 3,4-dichloroisothiazole-5-carboxylic acid 2-cyanoanilide (I) in combination with herbicidal and/or insecticidal compds. The mixed formulations or tank mixes may be applied simultaneously with rice seedling transplantation in the paddy field to save labor. Thus, water (25 weight parts) was added to a mixture of fentrazamide 3, bensulfuron Me 0.51, bromobutide 9, dymron 4.5, I 3, imidacloprid 3, bentonite (montmorillonite) 25, talc 48.99 and lignosulfonate 3 weight parts and kneaded well, extrusion granulated, and dried at 40-50° to make granules.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L12 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2007:38258 CAPLUS

DOCUMENT NUMBER: 146:116375

TITLE: Crop-compatible herbicidal compositions comprising herbicides and safeners

INVENTOR(S): Rosinger, Christopher; Evans, Paul; Hacker, Erwin

PATENT ASSIGNEE(S): Bayer Cropscience GmbH, Germany

SOURCE: U.S. Pat. Appl. Publ., 29pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070010399	A1	20070111	US 2006-482087	20060706
DE 102005031787	A1	20070118	DE 2005-102005031787	20050707
AU 2006268972	A1	20070118	AU 2006-268972	20060627
CA 2614221	A1	20070118	CA 2006-2614221	20060627
WO 2007006416	A2	20070118	WO 2006-EP6181	20060627
WO 2007006416	A3	20070426		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
EP 1903863	A2	20080402	EP 2006-762208	20060627
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,			

IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, YU						
JP	2008544998	T	20081211	JP	2008-519825	20060627
BR	2006012776	A2	20101130	BR	2006-12776	20060627
AR	53950	A1	20070523	AR	2006-102892	20060705
ZA	2007010845	A	20080925	ZA	2007-10845	20071213
MX	2008000069	A	20080319	MX	2008-69	20071219
CN	101217869	A	20080709	CN	2006-80024564	20080104
IN	2008CN00096	A	20080919	IN	2008-CN96	20080107
PRIORITY APPLN. INFO.:				DE	2005-102005031787A	20050707
				WO	2006-EP6181	W 20060627

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 146:116375

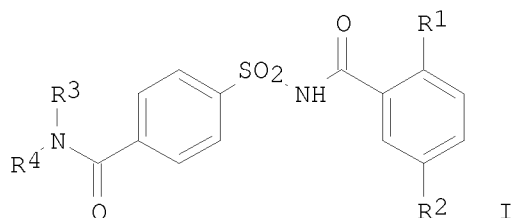
IT 94-74-6D, MCPA, mixts. with acylsulfamoylbenzamide derivative safeners  
 94-75-7D, 2,4-D, mixts. with acylsulfamoylbenzamide derivative safeners  
 94-81-5D, MCPB, mixts. with acylsulfamoylbenzamide derivative safeners  
 133-06-2D, Captan, mixts. with herbicides and safeners 137-26-8D, TMTD,  
 mixts. with herbicides and safeners 709-98-8D, Propanil, mixts. with  
 acylsulfamoylbenzamide derivative safeners 759-94-4D, EPTC, mixts. with  
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 with acylsulfamoylbenzamide derivative safeners 1689-84-5D, Bromoxynil,  
 mixts. with acylsulfamoylbenzamide derivative safeners 1702-17-6D,  
 Clopyralid, mixts. with acylsulfamoylbenzamide derivative safeners  
 1912-24-9D, Atrazine, mixts. with acylsulfamoylbenzamide derivative safeners  
 1918-00-9D, Dicamba, mixts. with acylsulfamoylbenzamide derivative safeners  
 1918-02-1D, Picloram, mixts. with acylsulfamoylbenzamide derivative safeners  
 2032-65-7D, Methiocarb, mixts. with herbicides and safeners 5915-41-3D,  
 Terbutylazine, mixts. with acylsulfamoylbenzamide derivative safeners  
 10605-21-7D, Carbendazim, mixts. with herbicides and safeners  
 21087-64-9D, Metribuzin, mixts. with acylsulfamoylbenzamide derivative  
 safeners 25057-89-0D, Bentazone, mixts. with acylsulfamoylbenzamide  
 derivative safeners 34256-82-1D, Acetochlor, mixts. with  
 acylsulfamoylbenzamide derivative safeners 36734-19-7D, Iprodione, mixts.  
 with herbicides and safeners 40487-42-1D, Pendimethalin, mixts. with  
 acylsulfamoylbenzamide derivative safeners 51276-47-2D, Glufosinate, mixts.  
 with acylsulfamoylbenzamide derivative safeners 51338-27-3D, Diclofopmethyl,  
 mixts. with acylsulfamoylbenzamide derivative safeners 55219-65-3D,  
 Triadimenol, mixts. with herbicides and safeners 55335-06-3D, Triclopyr,  
 mixts. with acylsulfamoylbenzamide derivative safeners 55634-91-8D,  
 Alloxymid, mixts. with acylsulfamoylbenzamide derivative safeners  
 57837-19-1D, Metalaxyl, mixts. with herbicides and safeners  
 59669-26-0D, Thiodicarb, mixts. with herbicides and safeners  
 64902-72-3D, Chlorsulfuron, mixts. with acylsulfamoylbenzamide derivative  
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 acylsulfamoylbenzamide derivative safeners 70630-17-0D, Mefenoxam, mixts.  
 with herbicides and safeners 71283-80-2D, mixts. with  
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 with acylsulfamoylbenzamide derivative safeners 72619-32-0D, mixts. with  
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 Metsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners  
 81334-34-1D, Imazapyr, mixts. with acylsulfamoylbenzamide derivative safeners  
 81335-37-7D, Imazaquin, mixts. with acylsulfamoylbenzamide derivative safeners  
 81335-77-5D, Imazethapyr, mixts. with acylsulfamoylbenzamide derivative  
 safeners 81777-89-1D, Clomazone, mixts. with acylsulfamoylbenzamide  
 derivative safeners 82097-50-5D, Triasulfuron, mixts. with  
 acylsulfamoylbenzamide derivative safeners 87237-48-7D, Haloxyfopetotyl,  
 mixts. with acylsulfamoylbenzamide derivative safeners 87392-12-9D,

S-Metolachlor, mixts. with acylsulfamoylbenzamide derivative safeners 87547-04-4D, Flumiclorac, mixts. with acylsulfamoylbenzamide derivative safeners 87820-88-0D, Tralkoxydim, mixts. with acylsulfamoylbenzamide derivative safeners 94125-34-5D, Prosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 98389-04-9D, Pyrazosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 98967-40-9D, Flumetsulam, mixts. with acylsulfamoylbenzamide derivative safeners 99105-77-8D, Sulcotrione, mixts. with acylsulfamoylbenzamide derivative safeners 99129-21-2D, Clethodim, mixts. with acylsulfamoylbenzamide derivative safeners 99283-00-8D, Chlorimuron, mixts. with acylsulfamoylbenzamide derivative safeners 99283-01-9D, Bensulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 100646-51-3D, mixts. with acylsulfamoylbenzamide derivative safeners 103361-09-7D, Flumioxazin, mixts. with acylsulfamoylbenzamide derivative safeners 104040-78-0D, Flazasulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 104098-48-8D, Imazapic, mixts. with acylsulfamoylbenzamide derivative safeners **104206-82-8D**, Mesotrione, mixts. with acylsulfamoylbenzamide derivative safeners 105512-06-9D, Clodinafoppropargyl, mixts. with acylsulfamoylbenzamide derivative safeners 106040-48-6D, Tribenuron, mixts. with acylsulfamoylbenzamide derivative safeners 107534-96-3D, Tebuconazole, mixts. with herbicides and safeners 111479-05-1D, Propaquizafop, mixts. with acylsulfamoylbenzamide derivative safeners 111991-09-4D, Nicosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 113036-87-6D, Primisulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 114311-32-9D, Imazamox, mixts. with acylsulfamoylbenzamide derivative safeners 119738-06-6D, mixts. with acylsulfamoylbenzamide derivative safeners 120068-37-3D, Fipronil, mixts. with herbicides and safeners 120162-55-2D, Azimsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 120923-37-7D, Amidosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 122008-85-9D, Cyhalofopbutyl, mixts. with acylsulfamoylbenzamide derivative safeners 122836-35-5D, Sulfentrazone, mixts. with acylsulfamoylbenzamide derivative safeners 122931-48-0D, Rimsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 125225-28-7D, Ipconazole, mixts. with herbicides and safeners 125401-75-4D, Bispribac, mixts. with acylsulfamoylbenzamide derivative safeners 126801-58-9D, Ethoxysulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 131341-86-1D, Fludioxonil, mixts. with herbicides and safeners 131860-33-8D, Azoxystrobin, mixts. with herbicides and safeners 131983-72-7D, Triticonazole, mixts. with herbicides and safeners 135397-30-7D, Halosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 136426-54-5D, Fluquinconazole, mixts. with herbicides and safeners 136849-15-5D, Cyclosulfamuron, mixts. with acylsulfamoylbenzamide derivative safeners 138261-41-3D, Imidacloprid, mixts. with herbicides and safeners 139528-85-1D, Metosulam, mixts. with acylsulfamoylbenzamide derivative safeners 141517-21-7D, Trifloxystrobin, mixts. with herbicides and safeners 141776-32-1D, Sulfosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 142469-14-5D, Tritosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 145026-81-9D, Propoxycarbazone, mixts. with acylsulfamoylbenzamide derivative safeners 145026-88-6D, Flucarbazone, mixts. with acylsulfamoylbenzamide derivative safeners 145701-23-1D, Florasulam, mixts. with acylsulfamoylbenzamide derivative safeners 147150-35-4D, Cloransulammethyl, mixts. with acylsulfamoylbenzamide derivative safeners 149979-41-9D, Tepraloxydim, mixts. with acylsulfamoylbenzamide derivative safeners 150315-10-9D, Flupyrsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners **153719-23-4D**, Thiamethoxam, mixts. with herbicides and safeners 173159-57-4D, Foramsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 178928-70-6D, Prothioconazole, mixts. with herbicides and safeners 181587-01-9D, Ethiprole, mixts. with herbicides and safeners 185119-76-0D, Iodosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 210631-68-8D, Topramezone, mixts. with acylsulfamoylbenzamide

derivative safeners 210880-92-5D, ,Clothianidin, mixts. with herbicides and safeners 221667-31-8D, mixts. with herbicides 221667-43-2D, mixts. with herbicides 221668-34-4D, mixts. with herbicides 361377-29-9D, Fluoxastrobin, mixts. with herbicides and safeners 400852-66-6D, Mesosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 494793-67-8D, mixts. with herbicides and safeners 500905-98-6D, mixts. with herbicides 659729-06-3 918338-38-2 918338-39-3 918338-40-6 918338-41-7 918338-42-8 918338-43-9 918338-44-0 918338-45-1 918338-48-4 918338-51-9 918338-53-1 918338-55-3 918338-58-6 918338-61-1 918338-63-3 918338-67-7 918338-68-8 918338-69-9 918338-70-2 918338-72-4 918338-75-7 918338-78-0 918338-80-4 918338-81-5 918338-82-6 918338-84-8 918338-85-9 918338-87-1 918338-88-2 918338-89-3 918338-90-6 918338-92-8 918338-93-9 918338-95-1

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(safened herbicidal composition)

GI



AB The title compns. comprise a herbicide, a safening acylsulfamoylbenzamide derivative I (R1 = Me, MeO or F3CO; R2 = H, Cl or Me; R3 = H, Et or propargyl; R4 = H, cyclopropyl, iso-Pr or propargyl) and, optionally a fungicide and/or insecticide. The compns. are active against monocotyledonous and/or dicotyledonous weeds.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)

L12 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:523211 CAPLUS

DOCUMENT NUMBER: 143:39502

TITLE: Herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide

INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph; Clemens, Christophher Glen

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,  
 SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE, SN, TD, TG

CA 2546408 A1 20050616 CA 2004-2546408 20041103  
 EP 1703792 A1 20060927 EP 2004-797556 20041103

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

AR 47133 A1 20060111 AR 2004-104422 20041129  
 US 20080058212 A1 20080306 US 2007-580363 20070129

PRIORITY APPLN. INFO.: US 2003-526053P P 20031201  
 US 2004-545302P P 20040217  
 WO 2004-EP12417 W 20041103

# ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

IT 1912-24-9D, Atrazine, mesotrione-Cu and S-metolachlor and benoxacor mixture  
 containing 7440-50-8D, Copper, mesotrione complexes, mixture containing  
 87392-12-9D, S-Metolachlor, mesotrione-Cu and benoxacor mixture containing  
 98730-04-2D, Benoxacor, mesotrione-Cu and S-metolachlor mixture containing  
**104206-82-8D**, Mesotrione, copper complexes, mixture containing  
**104206-82-8D**, Mesotrione, mixts. with insecticides 156963-66-5D,  
 mixts. with insecticides 187270-87-7D, mixts. with insecticides  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicidal combination)

IT 50-29-3D, mixts. with HPPD-inhibiting herbicides 52-68-6D, mixts. with  
 HPPD-inhibiting herbicides 54-11-5D, Nicotine, mixts. with  
 HPPD-inhibiting herbicides 55-38-9D, Fenthion, mixts. with  
 HPPD-inhibiting herbicides 56-23-5D, Carbon tetrachloride, mixts. with  
 HPPD-inhibiting herbicides 56-38-2D, Parathion, mixts. with  
 HPPD-inhibiting herbicides 56-72-4D, Coumaphos, mixts. with  
 HPPD-inhibiting herbicides 58-89-9D, GammaHCH, mixts. with  
 HPPD-inhibiting herbicides 60-51-5D, Dimethoate, mixts. with  
 HPPD-inhibiting herbicides 60-57-1D, Dieldrin, mixts. with  
 HPPD-inhibiting herbicides 62-73-7D, Dichlorovos, mixts. with  
 HPPD-inhibiting herbicides 63-25-2D, Carbaryl, mixts. with  
 HPPD-inhibiting herbicides 70-38-2D, Dimethrin, mixts. with  
 HPPD-inhibiting herbicides 72-43-5D, Methoxychlor, mixts. with  
 HPPD-inhibiting herbicides 72-54-8D, TDE, mixts. with HPPD-inhibiting  
 herbicides 74-83-9D, Methyl bromide, mixts. with HPPD-inhibiting  
 herbicides 74-90-8D, Hydrogen cyanide, mixts. with HPPD-inhibiting  
 herbicides 75-15-0D, Carbon disulfide, mixts. with HPPD-inhibiting  
 herbicides 76-06-2D, Chloropicrin, mixts. with HPPD-inhibiting  
 herbicides 76-44-8D, Heptachlor, mixts. with HPPD-inhibiting herbicides  
 78-34-2D, Dioxathion, mixts. with HPPD-inhibiting herbicides 78-53-5D,  
 Amiton, mixts. with HPPD-inhibiting herbicides 78-57-9D, Menazon, mixts.  
 with HPPD-inhibiting herbicides 83-79-4D, Rotenone, mixts. with  
 HPPD-inhibiting herbicides 86-50-0D, Azinphosmethyl, mixts. with  
 HPPD-inhibiting herbicides 87-86-5D, Pentachlorophenol, mixts. with  
 HPPD-inhibiting herbicides 97-17-6D, Dichlofenthion, mixts. with  
 HPPD-inhibiting herbicides 106-93-4D, Ethylene dibromide, mixts. with  
 HPPD-inhibiting herbicides 107-06-2D, Ethylene dichloride, mixts. with  
 HPPD-inhibiting herbicides 107-13-1D, Acrylonitrile, mixts. with  
 HPPD-inhibiting herbicides 107-49-3D, TEPP, mixts. with HPPD-inhibiting  
 herbicides 112-80-1D, Oleic acid, mixts. with HPPD-inhibiting herbicides  
 114-26-1D, Propoxur, mixts. with HPPD-inhibiting herbicides 115-26-4D,  
 Dimefox, mixts. with HPPD-inhibiting herbicides 115-29-7D, Endosulfan,  
 mixts. with HPPD-inhibiting herbicides 115-90-2D, Fensulfathion, mixts.  
 with HPPD-inhibiting herbicides 116-01-8D, Ethoatemethyl, mixts. with  
 HPPD-inhibiting herbicides 116-06-3D, Aldicarb, mixts. with  
 HPPD-inhibiting herbicides 119-12-0D, Pyridaphenthion, mixts. with  
 HPPD-inhibiting herbicides 121-75-5D, Malathion, mixts. with



HPPD-inhibiting herbicides 122-14-5D, Fenitrothion, mixts. with  
HPPD-inhibiting herbicides 126-22-7D, Butonate, mixts. with  
HPPD-inhibiting herbicides 126-75-0D, Demeton-S, mixts. with  
HPPD-inhibiting herbicides 131-89-5D, Dinex, mixts. with HPPD-inhibiting  
herbicides 141-66-2D, Dicrotophos, mixts. with HPPD-inhibiting  
herbicides 143-50-0D, mixts. with HPPD-inhibiting herbicides  
144-41-2D, Morphothion, mixts. with HPPD-inhibiting herbicides 144-54-7,  
Metam 152-16-9D, Schradan, mixts. with HPPD-inhibiting herbicides  
297-78-9D, Isobenzan, mixts. with HPPD-inhibiting herbicides 298-00-0D,  
Parathion-methyl, mixts. with HPPD-inhibiting herbicides 298-02-2D,  
Phorate, mixts. with HPPD-inhibiting herbicides 298-03-3D, Demeton-O,  
mixts. with HPPD-inhibiting herbicides 298-04-4D, Disulfoton, mixts.  
with HPPD-inhibiting herbicides 299-86-5D, Cruformate, mixts. with  
HPPD-inhibiting herbicides 300-76-5D, Naled, mixts. with HPPD-inhibiting  
herbicides 301-12-2D, Oxydemetonmethyl, mixts. with HPPD-inhibiting  
herbicides 309-00-2D, Aldrin, mixts. with HPPD-inhibiting herbicides  
315-18-4D, Mexacarbate, mixts. with HPPD-inhibiting herbicides  
327-98-0D, Trichloronat, mixts. with HPPD-inhibiting herbicides  
333-41-5D, mixts. with HPPD-inhibiting herbicides 370-50-3D, Flucifuron,  
mixts. with HPPD-inhibiting herbicides 371-86-8D, Mipaflox, mixts. with  
HPPD-inhibiting herbicides 465-73-6D, Isodrin, mixts. with  
HPPD-inhibiting herbicides 470-90-6D, mixts. with HPPD-inhibiting  
herbicides 494-52-0D, Anabasine, mixts. with HPPD-inhibiting herbicides  
533-74-4D, Dazomet, mixts. with HPPD-inhibiting herbicides 534-52-1D,  
DNOC, mixts. with HPPD-inhibiting herbicides 556-61-6D, Methyl  
isothiocyanate, mixts. with HPPD-inhibiting herbicides 563-12-2D,  
Ethion, mixts. with HPPD-inhibiting herbicides 572-48-5D, Coumthoate,  
mixts. with HPPD-inhibiting herbicides 584-79-2D, Bioallethrin, mixts.  
with HPPD-inhibiting herbicides 640-15-3D, Thiometon, mixts. with  
HPPD-inhibiting herbicides 644-64-4D, Dimetilan, mixts. with  
HPPD-inhibiting herbicides 671-04-5D, Carbanolate, mixts. with  
HPPD-inhibiting herbicides 682-80-4D, Demephion-O, mixts. with  
HPPD-inhibiting herbicides 732-11-6D, Phosmet, mixts. with  
HPPD-inhibiting herbicides 786-19-6D, Carbophenothion, mixts. with  
HPPD-inhibiting herbicides 867-27-6D, Demeton-O-methyl, mixts. with  
HPPD-inhibiting herbicides 919-76-6D, Amidithion, mixts. with  
HPPD-inhibiting herbicides 919-86-8D, ,Demeton-S-methyl, mixts. with  
HPPD-inhibiting herbicides 944-22-9D, Fonofos, mixts. with  
HPPD-inhibiting herbicides 947-02-4D, Phosfolan, mixts. with  
HPPD-inhibiting herbicides 950-10-7D, Mephosfolan, mixts. with  
HPPD-inhibiting herbicides 950-37-8D, Methidathion, mixts. with  
HPPD-inhibiting herbicides 1071-83-6D, Glyphosate, mixts. with  
HPPD-inhibiting herbicides and insecticides 1113-02-6D, Omethoate,  
mixts. with HPPD-inhibiting herbicides 1129-41-5D, Metolcarb, mixts.  
with HPPD-inhibiting herbicides 1303-96-4D, Borax, mixts. with  
HPPD-inhibiting herbicides 1344-81-6D, Calcium polysulfide, mixts. with  
HPPD-inhibiting herbicides 1563-66-2D, Carbofuran, mixts. with  
HPPD-inhibiting herbicides 1563-67-3D, Decarbofuran, mixts. with  
HPPD-inhibiting herbicides 1646-88-4D, Aldoxycarb, mixts. with  
HPPD-inhibiting herbicides 1912-24-9D, Atrazine, mixts. with  
HPPD-inhibiting herbicides and insecticides 1918-00-9D, Dicamba, mixts.  
with HPPD-inhibiting herbicides and insecticides 2032-59-9D, Aminocarb,  
mixts. with HPPD-inhibiting herbicides 2032-65-7D, Methiocarb, mixts.  
with HPPD-inhibiting herbicides 2104-64-5D, EPN, mixts. with  
HPPD-inhibiting herbicides 2104-96-3D, Bromophos, mixts. with  
HPPD-inhibiting herbicides 2274-67-1D, Dimethylvinphos, mixts. with  
HPPD-inhibiting herbicides 2275-14-1D, Phenkapton, mixts. with  
HPPD-inhibiting herbicides 2275-18-5D, Prothoate, mixts. with  
HPPD-inhibiting herbicides 2275-23-2D, Vamidothion, mixts. with  
HPPD-inhibiting herbicides 2310-17-0D, Phosalone, mixts. with  
HPPD-inhibiting herbicides 2385-85-5D, Mirex, mixts. with  
HPPD-inhibiting herbicides 2425-10-7D, Xylylcarb, mixts. with

HPPD-inhibiting herbicides 2463-84-5D, Dicapthon, mixts. with  
 HPPD-inhibiting herbicides 2497-07-6D, Oxydisulfoton, mixts. with  
 HPPD-inhibiting herbicides 2540-82-1D, Formothion, mixts. with  
 HPPD-inhibiting herbicides 2550-75-6D, Chlorbicyclen, mixts. with  
 HPPD-inhibiting herbicides 2587-90-8D, Demephion-S, mixts. with  
 HPPD-inhibiting herbicides 2595-54-2D, Mecarbam, mixts. with  
 HPPD-inhibiting herbicides 2597-03-7D, Phenthoate, mixts. with  
 HPPD-inhibiting herbicides 2631-37-0D, Promecarb, mixts. with  
 HPPD-inhibiting herbicides 2631-40-5D, Isoproc carb, mixts. with  
 HPPD-inhibiting herbicides 2636-26-2D, Cyanophos, mixts. with  
 HPPD-inhibiting herbicides 2642-71-9D, Azinphosethyl, mixts. with  
 HPPD-inhibiting herbicides 2655-14-3D, XMC, mixts. with HPPD-inhibiting  
 herbicides 2655-19-8D, Butacarb, mixts. with HPPD-inhibiting herbicides  
 2669-32-1D, Lythidathion, mixts. with HPPD-inhibiting herbicides  
 2674-91-1D, Oxydeprofos, mixts. with HPPD-inhibiting herbicides  
 2699-79-8D, Sulfuryl fluoride, mixts. with HPPD-inhibiting herbicides  
 2778-04-3D, Endothion, mixts. with HPPD-inhibiting herbicides  
**2921-88-2D**, ,Chloropyrifos, mixts. with HPPD-inhibiting herbicides  
 3383-96-8D, Temephos, mixts. with HPPD-inhibiting herbicides 3689-24-5D,  
 Sulfotep, mixts. with HPPD-inhibiting herbicides 3734-95-0D, Cyanthoate,  
 mixts. with HPPD-inhibiting herbicides 3761-41-9D, Mesulfenfos, mixts.  
 with HPPD-inhibiting herbicides 3766-81-2D, Fenobucarb, mixts. with  
 HPPD-inhibiting herbicides 3811-49-2D, Dioxabenzofos, mixts. with  
 HPPD-inhibiting herbicides 4151-50-2D, Sulfluramid, mixts. with  
 HPPD-inhibiting herbicides 4234-79-1D, Kelevan, mixts. with  
 HPPD-inhibiting herbicides 4824-78-6D, Bromophosethyl, mixts. with  
 HPPD-inhibiting herbicides 5221-49-8D, Pyrimitate, mixts. with  
 HPPD-inhibiting herbicides **5598-13-0D**, mixts. with  
 HPPD-inhibiting herbicides 5598-52-7D, Fospirate, mixts. with  
 HPPD-inhibiting herbicides 5826-76-6D, Phosnichlor, mixts. with  
 HPPD-inhibiting herbicides 5827-05-4D, IPSP, mixts. with HPPD-inhibiting  
 herbicides 5834-96-8D, Azothoate, mixts. with HPPD-inhibiting herbicides  
 5915-41-3D, Terbutylazine, mixts. with HPPD-inhibiting herbicides and  
 insecticides 6164-98-3D, Chlordimeform, mixts. with HPPD-inhibiting  
 herbicides 6392-46-7D, Allyxycarb, mixts. with HPPD-inhibiting  
 herbicides 6923-22-4D, Monocrotophos, mixts. with HPPD-inhibiting  
 herbicides 6988-21-2D, Dioxacarb, mixts. with HPPD-inhibiting herbicides  
 7219-78-5D, Mazidox, mixts. with HPPD-inhibiting herbicides 7292-16-2D,  
 PRopaphos, mixts. with HPPD-inhibiting herbicides 7345-69-9D, GY-81,  
 mixts. with HPPD-inhibiting herbicides 7681-49-4D, ,Sodium fluoride,  
 mixts. with HPPD-inhibiting herbicides 7700-17-6D, Crotoxyphos, mixts.  
 with HPPD-inhibiting herbicides 7786-34-7D, Mevinphos, mixts. with  
 HPPD-inhibiting herbicides 7803-51-2D, Phosphine, mixts. with  
 HPPD-inhibiting herbicides 8001-35-2D, Camphechlor, mixts. with  
 HPPD-inhibiting herbicides 8022-00-2D, Demetonmethyl, mixts. with  
 HPPD-inhibiting herbicides 8065-36-9D, Bufencarb, mixts. with  
 HPPD-inhibiting herbicides 8065-48-3D, Demeton, mixts. with  
 HPPD-inhibiting herbicides 8065-62-1, Demephion 10112-91-1D, Mercurous  
 chloride, mixts. with HPPD-inhibiting herbicides 10265-92-6D,  
 Methamidophos, mixts. with HPPD-inhibiting herbicides 10311-84-9D,  
 Dialifos, mixts. with HPPD-inhibiting herbicides 10453-86-8D,  
 Resmethrin, mixts. with HPPD-inhibiting herbicides 11141-17-6D,  
 Azadirachtin, mixts. with HPPD-inhibiting herbicides 12407-86-2D,  
 Trimethacarb, mixts. with HPPD-inhibiting herbicides 12789-03-6D,  
 Chlordane, mixts. with HPPD-inhibiting herbicides 13067-93-1D,  
 Cyanofenphos, mixts. with HPPD-inhibiting herbicides 13171-21-6D,  
 Phosphamidon, mixts. with HPPD-inhibiting herbicides 13194-48-4D,  
 Ethoprophos, mixts. with HPPD-inhibiting herbicides 13457-18-6D,  
 Pyrazophos, mixts. with HPPD-inhibiting herbicides 13593-03-8D,  
 Quinalphos, mixts. with HPPD-inhibiting herbicides 13593-08-3D,  
 Quinalphosmethyl, mixts. with HPPD-inhibiting herbicides 14816-16-1D,  
 Phoximmethyl,., mixts. with HPPD-inhibiting herbicides 14816-18-3D,

Phoxim, mixts. with HPPD-inhibiting herbicides 14816-20-7D, mixts. with  
 HPPD-inhibiting herbicides 15096-52-3D, Cryolite, mixts. with  
 HPPD-inhibiting herbicides 15263-53-3D, Cartap, mixts. with  
 HPPD-inhibiting herbicides 15589-31-8D, Terallethrin, mixts. with  
 HPPD-inhibiting herbicides 16752-77-5D, Methomyl, mixts. with  
 HPPD-inhibiting herbicides 16893-85-9D, Sodium hexafluorosilicate,  
 mixts. with HPPD-inhibiting herbicides 17040-19-6D, mixts. with  
 HPPD-inhibiting herbicides 17080-02-3D, Furethrin, mixts. with  
 HPPD-inhibiting herbicides 17606-31-4D, Bensultap, mixts. with  
 HPPD-inhibiting herbicides 18181-70-9D, Jodfenphos, mixts. with  
 HPPD-inhibiting herbicides 18809-57-9, EMPC 18854-01-8D, Isoxathion,  
 mixts. with HPPD-inhibiting herbicides 19691-80-6D, Athidathion, mixts.  
 with HPPD-inhibiting herbicides 20425-39-2D, Pyresmethrin, mixts. with  
 HPPD-inhibiting herbicides 21548-32-3D, Fosthietan, mixts. with  
 HPPD-inhibiting herbicides 22259-30-9D, Formetanate, mixts. with  
 HPPD-inhibiting herbicides 22439-40-3D, Quinothion, mixts. with  
 HPPD-inhibiting herbicides 22781-23-3D, Bendiocarb, mixts. with  
 HPPD-inhibiting herbicides 23031-36-9, Prallethrin 23103-98-2D,  
 Pirimicarb, mixts. with HPPD-inhibiting herbicides 23135-22-0D, Oxamyl,  
 mixts. with HPPD-inhibiting herbicides 23505-41-1D, Pirimiphosethyl,  
 mixts. with HPPD-inhibiting herbicides 23560-59-0D, ,Heptenophos, mixts.  
 with HPPD-inhibiting herbicides 24017-47-8D, Triazofos, mixts. with  
 HPPD-inhibiting herbicides 24353-61-5D, mixts. with HPPD-inhibiting  
 herbicides 24934-91-6D, mixts. with HPPD-inhibiting herbicides  
 25171-63-5D, Thiocarboxime, mixts. with HPPD-inhibiting herbicides  
 25311-71-1D, Isofenphos, mixts. with HPPD-inhibiting herbicides  
 25601-84-7D, Methocrotophos, mixts. with HPPD-inhibiting herbicides  
 26002-80-2D, Phenothrin, mixts. with HPPD-inhibiting herbicides  
 28434-00-6D, S-Bioallethrin, mixts. with HPPD-inhibiting herbicides  
 28434-01-7D, Bioresmethrin, mixts. with HPPD-inhibiting herbicides  
 29104-30-1D, Benzoximate, mixts. with HPPD-inhibiting herbicides  
 29173-31-7D, Mecarphon, mixts. with HPPD-inhibiting herbicides  
 29232-93-7D, Pirimiphosmethyl, mixts. with HPPD-inhibiting herbicides  
 29672-19-3D, Nitrilacarb, mixts. with HPPD-inhibiting herbicides  
 29973-13-5D, Ethiofencarb, mixts. with HPPD-inhibiting herbicides  
 30560-19-1D, Acephate, mixts. with HPPD-inhibiting herbicides  
 30864-28-9D, Methacrifos, mixts. with HPPD-inhibiting herbicides  
 31218-83-4D, Propetamphos, mixts. with HPPD-inhibiting herbicides  
 31377-69-2D, Pirimetaphos, mixts. with HPPD-inhibiting herbicides  
 31895-21-3D, Thiocyclam, mixts. with HPPD-inhibiting herbicides  
 33089-61-1D, Amitraz, mixts. with HPPD-inhibiting herbicides  
 33399-00-7D, Bromfenvinfos, mixts. with HPPD-inhibiting herbicides  
 34264-24-9D, Promacyl, mixts. with HPPD-inhibiting herbicides  
 34643-46-4D, Prothiofos, mixts. with HPPD-inhibiting herbicides  
 34681-10-2D, Butocarboxim, mixts. with HPPD-inhibiting herbicides  
 34681-23-7D, Butoxycarboxim, mixts. with HPPD-inhibiting herbicides  
 35367-38-5D, Diflubenzuron, mixts. with HPPD-inhibiting herbicides  
 35400-43-2D, Sulprofos, mixts. with HPPD-inhibiting herbicides  
 35575-96-3D, Azamethiphos, mixts. with HPPD-inhibiting herbicides  
 36145-08-1D, Chlorprazophos, mixts. with HPPD-inhibiting herbicides  
 36614-38-7D, Isothioate, mixts. with HPPD-inhibiting herbicides  
 37764-25-3D, Dichlormid, mixts. with HPPD-inhibiting herbicides and  
 insecticides 38260-63-8D, Lirimfos, mixts. with HPPD-inhibiting  
 herbicides 38524-82-2D, Trifenofos, mixts. with HPPD-inhibiting  
 herbicides 39196-18-4D, ,Thiofanox, mixts. with HPPD-inhibiting  
 herbicides 39247-96-6D, Primidophos, mixts. with HPPD-inhibiting  
 herbicides 39515-40-7D, Cyphenothrin, mixts. with HPPD-inhibiting  
 herbicides 39515-41-8D, Fenprothrin, mixts. with HPPD-inhibiting  
 herbicides 40085-57-2D, Tazimcarb, mixts. with HPPD-inhibiting  
 herbicides 40596-69-8D, Methoprene, mixts. with HPPD-inhibiting  
 herbicides 40596-80-3D, Triprene, mixts. with HPPD-inhibiting herbicides  
 41096-46-2D, Hydroprene, mixts. with HPPD-inhibiting herbicides

41198-08-7D, Profenofos, mixts. with HPPD-inhibiting herbicides  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(herbicidal combinations)

IT 41219-31-2D, Dithicrofos, mixts. with HPPD-inhibiting herbicides  
41219-32-3D, Thicrofos, mixts. with HPPD-inhibiting herbicides  
42509-80-8D, Isazofos, mixts. with HPPD-inhibiting herbicides  
42588-37-4D, Kinoprene, mixts. with HPPD-inhibiting herbicides  
50864-67-0D, Barium polysulfide, mixts. with HPPD-inhibiting herbicides  
51218-45-2D, Metolachlor, mixts. with HPPD-inhibiting herbicides and  
insecticides 51596-10-2D, Milbemectin, mixts. with HPPD-inhibiting  
herbicides 51630-58-1D, Fenvalerate, mixts. with HPPD-inhibiting  
herbicides 51877-74-8D, Biopermethrin, mixts. with HPPD-inhibiting  
herbicides 52207-48-4D, Thiosultapsodium, mixts. with HPPD-inhibiting  
herbicides 52315-07-8, Cypermethrin 52315-07-8D, Zetacypermethrin,  
mixts. with HPPD-inhibiting herbicides 52645-53-1, Permethrin  
52918-63-5D, Deltamethrin, mixts. with HPPD-inhibiting herbicides  
54406-48-3, Empenthrin 54593-83-8D, Chlorethoxyfos, mixts. with  
HPPD-inhibiting herbicides 55285-14-8D, Carbosulfan, mixts. with  
HPPD-inhibiting herbicides 57342-02-6D, Epofenonane, mixts. with  
HPPD-inhibiting herbicides 57960-19-7D, Acequinocyl, mixts. with  
HPPD-inhibiting herbicides 58769-20-3D, RU 15525, mixts. with  
HPPD-inhibiting herbicides 58842-20-9D, Nithiazine, mixts. with  
HPPD-inhibiting herbicides 59669-26-0D, Thiodicarb, mixts. with  
HPPD-inhibiting herbicides 60238-56-4D, Chlorthiophos, mixts. with  
HPPD-inhibiting herbicides 60589-06-2D, Metoxadiazone, mixts. with  
HPPD-inhibiting herbicides 61444-62-0D, Nifluridide, mixts. with  
HPPD-inhibiting herbicides 61949-77-7D, trans-Permethrin, mixts. with  
HPPD-inhibiting herbicides 63837-33-2D, Diofenolan, mixts. with  
HPPD-inhibiting herbicides 63935-38-6, Cycloprothrin 64628-44-0D,  
Triflumuron, mixts. with HPPD-inhibiting herbicides 65907-30-4D,  
Furathiocarb, mixts. with HPPD-inhibiting herbicides 66215-27-8D,  
Cyromazine, mixts. with HPPD-inhibiting herbicides 66230-04-4,  
Esfenvalerate 66841-25-6D, Tralomethrin, mixts. with HPPD-inhibiting  
herbicides 67375-30-8D, Alphacypermethrin, mixts. with HPPD-inhibiting  
herbicides 67485-29-4D, Hydramethylnon, mixts. with HPPD-inhibiting  
herbicides 68085-85-8D, Cyhalothrin, mixts. with HPPD-inhibiting  
herbicides 68359-37-5D, Betacyfluthrin, mixts. with HPPD-inhibiting  
herbicides 68523-18-2D, Fenpirithrin, mixts. with HPPD-inhibiting  
herbicides 69327-76-0D, Buprofezin, mixts. with HPPD-inhibiting  
herbicides 69409-94-5D, Fluvalinate, mixts. with HPPD-inhibiting  
herbicides 69770-45-2D, Flumethrin, mixts. with HPPD-inhibiting  
herbicides 70124-77-5D, Flucythrinate, mixts. with HPPD-inhibiting  
herbicides 71422-67-8D, Chlorfluazuron, mixts. with HPPD-inhibiting  
herbicides 71697-59-1D, Thetacypermethrin, mixts. with HPPD-inhibiting  
herbicides 71751-41-2D, Abamectin, mixts. with HPPD-inhibiting  
herbicides 72490-01-8D, Fenoxycarb, mixts. with HPPD-inhibiting  
herbicides 72850-64-7D, Flurazole, mixts. with HPPD-inhibiting  
herbicides and insecticides 72963-72-5D, Imiprothrin, mixts. with  
HPPD-inhibiting herbicides 75867-00-4D, Fenfluthrin, mixts. with  
HPPD-inhibiting herbicides **79538-32-2D**, Tefluthrin, mixts.  
with HPPD-inhibiting herbicides 80060-09-9, Diafenthiuron 82560-54-1D,  
Benfuracarb, mixts. with HPPD-inhibiting herbicides 82657-04-3D,  
Bifenthrin, mixts. with HPPD-inhibiting herbicides 83121-18-0D,  
Teflubenzuron, mixts. with HPPD-inhibiting herbicides 83130-01-2D,  
Alanycarb, mixts. with HPPD-inhibiting herbicides 83733-82-8,  
Fosmethilan 84466-05-7D, Amidoflumet, mixts. with HPPD-inhibiting  
herbicides 86479-06-3D, HExaflumuron, mixts. with HPPD-inhibiting  
herbicides 87392-12-9D, s-Metolachlor, mixts. with HPPD-inhibiting  
herbicides and insecticides 88349-88-6D, Cloquintocet, mixts. with  
HPPD-inhibiting herbicides and insecticides 88485-37-4D, Fluxofenim,  
mixts. with HPPD-inhibiting herbicides and insecticides 89784-60-1D,  
Pyraclofos, mixts. with HPPD-inhibiting herbicides 90338-20-8D,

Butathiofos, mixts. with HPPD-inhibiting herbicides 91465-08-6D, mixts. with HPPD-inhibiting herbicides 94125-34-5D, Prosulfuron, mixts. with HPPD-inhibiting herbicides and insecticides 95465-99-9D, Cadusafos, mixts. with HPPD-inhibiting herbicides 95737-68-1D, Pyriproxyfen, mixts. with HPPD-inhibiting herbicides 96182-53-5D, Tebupirimfos, mixts. with HPPD-inhibiting herbicides 96489-71-3D, Pyridaben, mixts. with HPPD-inhibiting herbicides 98730-04-2D, Benoxacor, mixts. with HPPD-inhibiting herbicides and insecticides 98886-44-3D, Fosthiazate, mixts. with HPPD-inhibiting herbicides 101007-06-1D, Acrinathrin, mixts. with HPPD-inhibiting herbicides 102851-06-9D, Taufluvalinate, mixts. with HPPD-inhibiting herbicides 103055-07-8D, Lufenuron, mixts. with HPPD-inhibiting herbicides 105024-66-6D, Silafluofen, mixts. with HPPD-inhibiting herbicides 105779-78-0D, Pyrimidifen, mixts. with HPPD-inhibiting herbicides 107713-58-6D, Flufenprox, mixts. with HPPD-inhibiting herbicides 111988-49-9D, Thiacloprid, mixts. with HPPD-inhibiting herbicides 111991-09-4D, Nicosulfuron, mixts. with HPPD-inhibiting herbicides and insecticides 112143-82-5D, Triazamate, mixts. with HPPD-inhibiting herbicides 112226-61-6D, Halofenozide, mixts. with HPPD-inhibiting herbicides 112410-23-8D, Tebufenozide, mixts. with HPPD-inhibiting herbicides 112636-83-6D, Dicyclanil, mixts. with HPPD-inhibiting herbicides 113036-87-6D, Primisulfuron, mixts. with HPPD-inhibiting herbicides and insecticides 113036-88-7D, Flucycloxuron, mixts. with HPPD-inhibiting herbicides 114797-39-6D, Methothrin, mixts. with HPPD-inhibiting herbicides 116714-46-6D, Novaluron, mixts. with HPPD-inhibiting herbicides 118712-89-3D, Transfluthrin, mixts. with HPPD-inhibiting herbicides 119791-41-2D, Emamectin, mixts. with HPPD-inhibiting herbicides 120068-37-3D, Fipronil, mixts. with HPPD-inhibiting herbicides 121451-02-3, Noviflumuron 121776-33-8D, Furilazole, mixts. with HPPD-inhibiting herbicides and insecticides 122453-73-0D, Chlorfenapyr, mixts. with HPPD-inhibiting herbicides 122705-57-1D, mixts. with HPPD-inhibiting herbicides 122931-48-0D, Rimsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides 123312-89-0D, Pymetrozine, mixts. with HPPD-inhibiting herbicides 129558-76-5D, Tolfenpyrad, mixts. with HPPD-inhibiting herbicides 135410-20-7D, Acetamiprid, mixts. with HPPD-inhibiting herbicides 138261-41-3D, Imidacloprid, mixts. with HPPD-inhibiting herbicides 143807-66-3D, Chromafenozide, mixts. with HPPD-inhibiting herbicides 145099-21-4D, Trifloxysulfuron., mixts. with HPPD-inhibiting herbicides and insecticides 148477-71-8D, Spirodiclofen, mixts. with HPPD-inhibiting herbicides 149877-41-8D, Bifenazate, mixts. with HPPD-inhibiting herbicides 150824-47-8D, Nitenpyram, mixts. with HPPD-inhibiting herbicides 153233-91-1D, Etoxazole, mixts. with HPPD-inhibiting herbicides **153719-23-4D**, Thiamethoxam, mixts. with HPPD-inhibiting herbicides 158062-67-0D, Flonicamid, mixts. with HPPD-inhibiting herbicides 160791-64-0D, ZXI 8901., mixts. with HPPD-inhibiting herbicides 161050-58-4D, Methoxyfenozide, mixts. with HPPD-inhibiting herbicides 163515-14-8D, Dimethenamid P, mixts. with HPPD-inhibiting herbicides and insecticides 165252-70-0D, Dinotefuran, mixts. with HPPD-inhibiting herbicides 170015-32-4D, Flufenimer, mixts. with HPPD-inhibiting herbicides 173159-57-4D, Foramsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides 173584-44-6D, Indoxacarb, mixts. with HPPD-inhibiting herbicides 179101-81-6D, Pyridalyl, mixts. with HPPD-inhibiting herbicides 181587-01-9D, Ethiprole, mixts. with HPPD-inhibiting herbicides 201593-84-2D, Bistrifluron, mixts. with HPPD-inhibiting herbicides 209861-58-5D, Acetoprole, mixts. with HPPD-inhibiting herbicides 209866-92-2D, Isoxadifen, mixts. with HPPD-inhibiting herbicides and insecticides 210880-92-5D, Clothianidin, mixts. with HPPD-inhibiting herbicides 229977-93-9D, Fluacrypyrim, mixts. with HPPD-inhibiting herbicides 231937-89-6D, mixts. with HPPD-inhibiting herbicides 283594-90-1D, Spiromesifen, mixts. with HPPD-inhibiting herbicides 500790-39-6D, mixts. with HPPD-inhibiting herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(herbicidal combinations)

AB Aherbicidal combination comprises an HPPD-inhibiting herbicide (certain exceptions), such as isoxazoles, triketones, pyrazoles, benzobicyclon and ketospiradox, preferably mesotrione, and any of a very large number of insecticides.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2004:964970 CAPLUS

DOCUMENT NUMBER: 141:407236

TITLE: Treatment of plants and plant propagation materials with an antioxidant and pesticide to improve plant health and/or yield

INVENTOR(S): Asrar, Jawed; Ding, Yiwei; Bourque, June E.; Sanders, Ernest F.

PATENT ASSIGNEE(S): Monsanto Technology, LLC, USA

SOURCE: PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004095926	A2	20041111	WO 2004-US10720	20040407
WO 2004095926	A3	20050127		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 20040259732	A1	20041223	US 2004-832578	20040427
US 20080125319	A1	20080529	US 2008-11424	20080125

PRIORITY APPLN. INFO.: US 2003-466104P P 20030428  
US 2004-832578 A1 20040427

IT 50-31-7D, 2,3,6-TBA, mixture with antioxidant 50-78-2D, Acetylsalicylic acid, mixture with pesticide 50-81-7D, Vitamin C, mixture with pesticide 52-90-4D, Cysteine, mixture with pesticide 56-40-6D, Glycine, mixture with pesticide 56-89-3D, Cystine, mixture with pesticide 58-85-5D, Biotin, mixture with pesticide 59-30-3D, Folic acid, mixture with pesticide 59-43-8D, Thiamin, mixture with pesticide 59-67-6D, Niacin, mixture with pesticide 60-00-4D, EDTA, mixture with pesticide 61-82-5D, Amitrole, mixture with antioxidant 62-49-7D, Choline, mixture with pesticide 62-49-7D, Choline, salts., mixture with pesticide 63-25-2D, Carbaryl, mixture with antioxidant 63-68-3D, Methionine, mixture with pesticide 65-23-6D, Pyridoxine, mixture with pesticide 67-48-1D, Choline chloride, mixture with pesticide 69-65-8D, Mannitol, mixture with pesticide 69-72-7D, Salicylic acid, mixture with pesticide 71-00-1D, Histidine, mixture with pesticide 73-22-3D, Tryptophan, mixture with pesticide 74-79-3D, Arginine, mixture with pesticide 75-60-5D, Dimethylarsinic acid, mixture with antioxidant 75-99-0D, Dalapon, mixture with antioxidant 79-11-8D, Chloroacetic acid, mixture with antioxidant 79-81-2D, Retinyl palmitate, mixture with pesticide 79-83-4D, Pantothenic acid, mixture with

pesticide 79-96-9D, 4,4'-(1-Methylethylidene)bis[2-(1,1-dimethylethyl)phenol, mixture with pesticide 83-46-5D,  $\beta$ -Sitosterol, mixture with pesticide 83-48-7D, Stigmasterol, mixture with pesticide 83-86-3D, mixture with pesticide 83-88-5D, Riboflavin, mixture with pesticide 85-00-7D, Diquat dibromide, mixture with antioxidant 85-60-9D, 4,4'-Butylidenebis(6-tert-butyl-m-cresol), mixture with pesticide 87-86-5D, Pentachlorophenol, mixture with antioxidant 87-89-8D, ,Inositol, mixture with pesticide 89-83-8D, Thymol, mixts. with antioxidants 92-52-4D, Biphenyl, mixts. with antioxidants 92-88-6D, 4,4'-Biphenol, mixture with pesticide 93-65-2D, Mecoprop, mixture with antioxidant 94-13-3D, Propylparaben, mixts. with antioxidants 94-74-6D, MCPA, mixture with antioxidant 94-75-7D, 2,4-D, mixture with antioxidant 94-81-5D, MCPB, mixture with antioxidant 94-82-6D, 2,4-DB, mixture with antioxidant 96-69-5D, 4,4'-Thiobis-6-(tert-butyl-m-cresol), mixture with pesticide 97-53-0D, Eugenol, mixts. with antioxidants 98-29-3D, 4-tert-Butylcatechol, mixture with pesticide 101-21-3D, Chloropropham, mixture with antioxidant 101-42-8D, Fenuron, mixture with antioxidant 107-02-8D, Acrolein, mixture with antioxidant 107-22-2D, Glyoxal, mixture with pesticide 107-43-7D, Betaine, mixture with pesticide 108-01-0D, N,N-Dimethylethanolamine, mixture with pesticide 108-95-2D, Phenol, styrenated, mixture with pesticide 111-17-1D, Thiodipropionic acid, mixture with pesticide 112-05-0D, Nonanoic acid, mixture with antioxidant 112-80-1D, Oleic acid, mixture with antioxidant 115-11-7D, Isobutylene, mixture with pesticide 116-06-3D, Aldicarb, mixture with antioxidant 119-13-1D,  $\delta$ -Tocopherol, mixture with pesticide 120-36-5D, Dichloroprop, mixture with antioxidant 121-33-5D, Vanillin, mixts. with antioxidants 121-75-5D, Malathion, mixture with antioxidant 121-79-9D, Propyl gallate, mixture with pesticide 122-34-9D, Simazine, mixture with antioxidant 122-42-9D, Propham, mixture with antioxidant 123-28-4D, Dilauryl thiodipropionate, mixture with pesticide 124-58-3D, Methylarsonic acid, mixture with antioxidant 127-40-2D, Lutein, mixture with pesticide 127-47-9D, Retinyl acetate, mixture with pesticide 128-37-0D, (BHT), mixture with pesticide 132-27-4D, Sodium o-phenylphenol, mixts. with antioxidants 132-66-1D, Naptalam, mixture with antioxidant 133-90-4D, Chloramben, mixture with antioxidant 139-40-2D, Propazine, mixture with antioxidant 144-54-7D, ,Metam, mixture with antioxidant 144-68-3D, mixture with pesticide 145-73-3D, mixture with antioxidant 147-47-7D, 2,2,4-Trimethyl-1,2-dihydroquinoline, poly,er, mixture with pesticide 147-85-3D, Proline, mixture with pesticide 148-03-8D,  $\beta$ -Tocopherol, mixture with pesticide 148-79-8D, Thiabendazole, mixts. with antioxidants 303-07-1D, 2,6-Dihydroxybenzoic acid, mixture with pesticide 303-98-0D, Coenzyme Q10, mixture with pesticide 314-40-9D, Bromacil, mixture with antioxidant 330-54-1D, Diuron, mixture with antioxidant 330-55-2D, Linuron, mixture with antioxidant 333-41-5D, mixture with antioxidant 443-48-1D, Metronidazole, mixture with pesticide 467-69-6D, Flurenol, mixture with antioxidant 474-62-4D, Campesterol, mixture with pesticide 481-14-1D, Isofucosterol, mixture with pesticide 490-23-3D,  $\beta$ -Tocotrienol, mixture with pesticide 499-75-2D, Carvacrol, mixts. with antioxidants 502-65-8D, Lycopene, mixture with pesticide 521-03-9D, mixture with pesticide 530-59-6D, Sinapic acid, mixture with pesticide 532-32-1D, Sodium benzoate, mixts. with antioxidants 533-74-4D, Dazomet, mixture with antioxidant 534-52-1D, ,DNOC, mixture with antioxidant 555-37-3D, Neburon, mixture with antioxidant 556-61-6D, Methyl isothiocyanate, mixture with antioxidant 559-70-6D,  $\beta$ -Amyrin, mixture with pesticide 583-39-1D, mixture with pesticide 584-79-2D, 2-Allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one ester of 2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylic acid, mixture with antioxidant 616-91-1D, N-Acetylcysteine, mixture with pesticide 650-51-1D, mixture with antioxidant 696-23-1D, 2-Methyl-5-nitroimidazole, mixture with pesticide 709-98-8D, Propanil, mixture with antioxidant 719-22-2D, 2,6-Di-tert-butyl-p-benzoquinone, mixture with pesticide 741-58-2D, Bensulide, mixture with antioxidant 756-09-2D, Flupropanate,

mixture with antioxidant 759-94-4, EPTC 834-12-8D, Ametryn, mixture with antioxidant 886-50-0D, TERbutryn, mixture with antioxidant 957-51-7D, Diphenamide, mixture with antioxidant 1014-70-6D, Simetryn, mixture with antioxidant 1071-83-6D, Glyphosate, mixture with antioxidant 1079-21-6D, PHEnylhydroquinone, mixts. with antioxidants 1114-71-2D, Pebulate, mixture with antioxidant 1118-68-9D, Dimethylglycine, mixture with pesticide 1134-23-2D, Cycloate, mixture with antioxidant 1135-24-6D, complex, mixture with pesticide 1135-24-6D, Ferulic acid, mixture with pesticide 1166-52-5D, Dodecyl gallate, mixture with pesticide 1176-52-9D, Gramisterol, mixture with pesticide 1194-65-6D, Dichlobenil, mixture with antioxidant 1200-22-2D,  $\alpha$ -Lipoic acid, mixture with pesticide 1303-96-4D, Borax, mixture with antioxidant 1406-18-4D, Vitamin E, mixture with pesticide 1420-07-1D, Dinoterb, mixture with antioxidant 1421-63-2D, Trihydroxybutyrophenone, mixture with pesticide 1421-63-2D, Trihydroxybutyrophenone, mixts. with antioxidants 1449-09-8D, 24-Methylenecycloartanol, mixture with pesticide 1582-09-8D, Trifluralin, mixture with antioxidant 1610-18-0D, Prometon, mixture with antioxidant 1689-83-4D, Ioxynil, mixture with antioxidant 1689-84-5D, Bromoxynil, mixture with antioxidant 1698-60-8D, Chloridazon, mixture with antioxidant 1702-17-6D, Clopyralid, mixture with antioxidant 1709-70-2D, Ethanox 330, mixture with pesticide 1721-51-3D,  $\alpha$ -Tocotrienol, mixture with pesticide 1746-81-2D, Monolinuron, mixture with antioxidant 1861-40-1D, Benfluralin, mixture with antioxidant 1897-45-6D, Chlorothalonil, mixture with antioxidant 1910-42-5D, Paraquat dichloride, mixture with antioxidant 1912-24-9D, Atrazine, mixture with antioxidant 1912-26-1D, Trietazine, mixture with antioxidant 1918-00-9D, Dicamba, mixture with antioxidant 1918-02-1D, Picloram, mixture with antioxidant 1918-13-4D, mixture with antioxidant 1918-16-7D, Propachlor, mixture with antioxidant 1929-77-7D, Vernolate., mixture with antioxidant 1948-33-0D, mixture with pesticide 1982-49-6D, Siduron, mixture with antioxidant 2008-41-5D, Butylate, mixture with antioxidant 2082-79-3D, 2,6-Di-tert-butyl-4-(octadecanoxycarbonylethyl)phenol, mixture with pesticide 2164-08-1D, Lenacil, mixture with antioxidant 2164-17-2D, Fluometuron, mixture with antioxidant 2212-67-1D, Molinate, mixture with antioxidant 2303-17-5D, Triallate, mixture with antioxidant 2307-68-8D, Pentanochlor, mixture with antioxidant 2309-07-1D, Methyl ferulate, mixture with pesticide 2536-31-4D, mixture with antioxidant 2797-51-5D, Quinoclamine, mixture with antioxidant **2921-88-2D**, Chloropyrifos, mixture with antioxidant 3060-89-7D, Metobromuron, mixture with antioxidant 3337-71-1D, Asulam, mixture with antioxidant 3813-05-6D, Benazolin, mixture with antioxidant 5234-68-4D, Carboxin, mixture with antioxidant 5392-40-5D, Citral, mixts. with antioxidants **5598-13-0D**, mixture with antioxidant 5902-51-2D, Terbacil, mixture with antioxidant 5915-41-3D, Terbutylazine, mixture with antioxidant 6683-19-8D, mixture with pesticide 7235-40-7D, (Betacarotene), mixture with pesticide 7287-19-6D, Prometryn, mixture with antioxidant 7400-08-0D, p-Coumaric acid, mixture with pesticide 7439-95-4D, Magnesium, compds., mixture with pesticide 7440-66-6D, Zinc, mixture with pesticide 7440-70-2D, Calcium, compds., mixture with pesticide 7488-99-5D,  $\alpha$ -Carotene, mixture with pesticide 7616-22-0D,  $\gamma$ -Tocopherol, mixture with pesticide 7664-93-9D, Sulfuric acid, mixture with antioxidant 7696-12-0D, Tetramethrin, mixture with antioxidant 7720-78-7D, Ferrous sulfate, mixture with antioxidant 7723-14-0D, Phosphorus, compds., mixture with pesticide 7773-06-0D, Ammonium sulfamate, mixture with antioxidant 7775-09-9D, Sodium chlorate, mixture with antioxidant 7782-49-2D, Selenium, mixture with pesticide 9001-05-2D, Catalase, mixture with pesticide 9002-10-2D, Polyphenol oxidase, mixture with pesticide 9013-66-5D, Glutathione peroxidase, mixture with pesticide 9036-66-2D, Arabinogalactan, mixture with pesticide 9040-27-1D, Arabinoxylan, mixture with pesticide 9054-89-1D, Superoxide dismutase, mixture with pesticide 10004-44-1D, HYmexazole, mixture with antioxidant 10453-86-8D, (Resmethrin, mixture with antioxidant 10595-72-9D, mixture with pesticide 11103-57-4D, Vitamin A, mixture with



pesticide 12001-76-2D, Vitamin B, mixture with pesticide 13221-22-2D, Arabinofuranose, mixture with pesticide 13360-45-7D, mixture with antioxidant 13684-56-5D, Desmedipham, mixture with antioxidant 13684-63-4D, Phenmedipham, mixture with antioxidant 14101-61-2D,  $\gamma$ -Tocotrienol, mixture with pesticide 15165-67-0D, Dichlorprop-P, mixture with antioxidant 15299-99-7D, Napropamide, mixture with antioxidant 15972-60-8D, Alachlor, mixture with antioxidant 16118-49-3D, Carbetamide, mixture with antioxidant 16484-77-8D, Mecoprop-P, mixture with antioxidant 16545-54-3D, Dimyristyl thioldipropionate, mixture with pesticide 16910-32-0D, Obtusifoliol, mixture with pesticide 18691-97-9D, Methabenzthiazuron, mixture with antioxidant 19044-88-3D, Oryzalin, mixture with antioxidant 19666-30-9D, Oxadiazon, mixture with antioxidant 19937-59-8D, Metoxuron, mixture with antioxidant 21087-64-9D, Metribuzin, mixture with antioxidant 21238-33-5D, glycoside, mixture with pesticide 21293-29-8D, Absciscic acid, mixture with pesticide 21725-46-2D, Cyanazine, mixture with antioxidant 22224-92-6D, Fenamiphos, mixture with antioxidant 22936-75-0D, Dimethametryn, mixture with antioxidant 23031-36-9D, (Prallethrin, mixture with antioxidant 23135-22-0D, Oxamyl, mixture with antioxidant 23184-66-9D, Butachlor, mixture with antioxidant 23950-58-5D, Propyzamide, mixture with antioxidant 24151-93-7D, Piperophos, mixture with antioxidant 24634-61-5D, Potassium-sorbate, mixts. with antioxidants 25013-16-5D, 2-(3)-tert-Butyl-4-hydroxyanisole, mixture with pesticide 25057-89-0D, Bentazone, mixture with antioxidant 25319-90-8D, MCPATHioethyl, mixture with antioxidant 25612-59-3D,  $\delta$ -Tocotrienol, mixture with pesticide 26225-79-6D, Ethofumesate, mixture with antioxidant

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(seed and plant treatment composition to improve germination, plant health and yield)

IT 26523-78-4D, Tris(nonylphenyl)phosphite, mixture with pesticide 27314-13-2D, Norflurazon, mixture with antioxidant 27676-62-6D, 1,3,5-Tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, mixture with pesticide 28249-77-6D, Thiobencarb, mixture with antioxidant 29091-05-2D, Dinitramine, mixture with antioxidant 29091-21-2D, PrOdiamine, mixture with antioxidant 30560-19-1D, Acephate, mixture with antioxidant 33629-47-9D, Butralin, mixture with antioxidant 33693-04-8D, Terbumeton, mixture with antioxidant 34014-18-1D, Tebuthiuron, mixture with antioxidant 34123-59-6D, Isoproturon, mixture with antioxidant 34205-21-5D, Dimefuron, mixture with antioxidant 34256-82-1D, Acetochlor, mixture with antioxidant 34622-58-7D, Orbencarb, mixture with antioxidant 35256-85-0D, Tebutam, mixture with antioxidant 35554-44-0D, Imazalil, mixture with antioxidant 35597-43-4D, Bilanafos, mixture with antioxidant 36335-67-8D, Butamifos, mixture with antioxidant 36756-79-3D, Tiocarbazil, mixture with antioxidant 37294-28-3D, Xyloglucan, mixture with pesticide 38146-05-3D, mixture with pesticide 38953-85-4D, Isovitexin, mixture with pesticide 39515-40-7D, (Cyphenothrin, mixture with antioxidant 39515-41-8D, (Fenpropathrin, mixture with antioxidant 39807-15-3D, Oxadiargyl, mixture with antioxidant 39985-63-2D, MK 616, mixture with antioxidant 40487-42-1D, Pendimethalin, mixture with antioxidant 41394-05-2D, Metamitron, mixture with antioxidant 42576-02-3D, Bifenox, mixture with antioxidant 42609-52-9D, Daimuron, mixture with antioxidant 42609-73-4D, Methyldymron, mixture with antioxidant 42874-03-3D, Oxyfluorfen, mixture with antioxidant 43222-48-6D, Difenzoquat methylsulfate, mixture with antioxidant 50563-36-5D, DIMethachlor, mixture with antioxidant 50594-66-6D, Acifluorfen, mixture with antioxidant 51218-45-2D, METolachlor, mixture with antioxidant 51218-49-6D, Pretilachlor, mixture with antioxidant 51235-04-2D, Hexazinone, mixture with antioxidant 51338-27-3D, Diclof opmethyl, mixture with antioxidant 51630-58-1D, Fenvalerate, mixture with antioxidant 52315-07-8D, Cypermethrin, mixture with antioxidant 52570-16-8D, Naproanilide, mixture with antioxidant 52645-53-1D, Permethrin, mixture with antioxidant 52888-80-9D, PROsulfocarb, mixture with antioxidant

53780-34-0D, MeFluidide, mixture with antioxidant 54406-48-3D,  
(Empenthrin, mixture with antioxidant 55179-31-2D, Bitertanol, mixture with  
antioxidant 55219-65-3D, TRiadimenol, mixture with antioxidant  
55283-68-6D, Ethalfluralin, mixture with antioxidant 55290-64-7D,  
Dimethipin, mixture with antioxidant 55335-06-3D, Triclopyr, mixture with  
antioxidant 55512-33-9D, Pyridate, mixture with antioxidant 55634-91-8D,  
Alloxydim, mixture with antioxidant 55861-78-4D, Isouron, mixture with  
antioxidant 57646-30-7D, Furalaxyl, mixture with antioxidant  
57837-19-1D, Metalaxyl, mixture with antioxidant 57966-95-7D, Cymoxanil,  
mixture with antioxidant 58011-68-0D, Pyrazolynate, mixture with antioxidant  
58769-20-3D, Kadethrin, mixture with antioxidant 58810-48-3D, Ofurace,  
mixture with antioxidant 59669-26-0D, Thiodicarb, mixture with antioxidant  
59682-52-9D, Fosamine, mixture with antioxidant 59756-60-4D, ,Fluridone,  
mixture with antioxidant 60207-90-1D, Propiconazole, mixture with  
antioxidant 60207-93-4D, ETaconazole, mixture with antioxidant  
61213-25-0D, mixture with antioxidant 61432-55-1D, Dimepiperate, mixture  
with antioxidant 63843-89-0D, Tinuvin 144, mixture with pesticide  
63935-38-6D, (Cycloprothrin, mixture with antioxidant 64249-01-0D,  
Anilofos, mixture with antioxidant 64902-72-3D, Chlorsulfuron, mixture with  
antioxidant 66063-05-6D, Pencycuron, mixture with antioxidant  
66230-04-4D, (Esfenvalerate, mixture with antioxidant 66246-88-6D,  
Penconazole, mixture with antioxidant 67129-08-2D, Metazachlor, mixture with  
antioxidant 67306-00-7D, FEnpropidine, mixture with antioxidant  
67375-30-8D, (Alphacypermethrin, mixture with antioxidant 67564-91-4D,  
FEnpropimorph, mixture with antioxidant 67747-09-5D, Prochloraz, mixture  
with antioxidant 68049-83-2D, Azafenidin, mixture with antioxidant  
68085-85-8D, (Cyhalothrin, mixture with antioxidant 68359-37-5D,  
Cyfluthrin, mixture with antioxidant 68505-69-1D, Benfuresate, mixture with  
antioxidant 68694-11-1D, Triflumizole, mixture with antioxidant  
69377-81-7D, Fluroxypyr, mixture with antioxidant 69770-45-2D,  
(Flumethrin, mixture with antioxidant 69806-34-4D, Haloxyfop, mixture with  
antioxidant 69806-50-4D, Fluazifopbutyl, mixture with antioxidant  
70248-65-6D, Methionine sulfoxide reductase, mixture with pesticide  
70630-17-0D, R-Metalaxyl, mixture with antioxidant 71239-70-8D,  
Cellotetraosylsitosterol, mixture with pesticide 71283-80-2D, mixture with  
antioxidant 71561-11-0D, Pyrazoxyfen, mixture with antioxidant  
71626-11-4D, Benalaxyl, mixture with antioxidant 71697-59-1D, (Theta  
cypermethrin, mixture with antioxidant 72178-02-0D, ,Fomesafen, mixture with  
antioxidant 72459-58-6D, Triazoxide, mixture with antioxidant  
72963-72-5D, Imiprothrin, mixture with antioxidant 73250-68-7D, Mefenacet,  
mixture with antioxidant 73989-17-0D, Avermectin, mixture with antioxidant  
74051-80-2D, Sethoxydim, mixture with antioxidant 74070-46-5D, Aclonifen,  
mixture with antioxidant 74223-64-6D, Metsulfuronmethyl, mixture with  
antioxidant 74712-19-9D, Bromobutide, mixture with antioxidant  
74738-17-3D, Fenpiclonil, mixture with antioxidant 76578-12-6D,  
Quizalofop, mixture with antioxidant 76674-21-0D, ,Flutriafol, mixture with  
antioxidant 77182-82-2D, Glufosinateammonium, mixture with antioxidant  
77501-63-4D, Lactofen, mixture with antioxidant 77501-90-7D,  
Fluoroglycofenethyl, mixture with antioxidant 77732-09-3D, Oxadixyl, mixture  
with antioxidant 79241-46-6D, mixture with antioxidant 79277-27-3D,  
Thifensulfuronmethyl, mixture with antioxidant 79540-50-4D, Etobenzanid,  
mixture with antioxidant 79983-71-4D, Hexaconazole, mixture with antioxidant  
81334-34-1D, Imazapyr, mixture with antioxidant 81335-37-7D, Imazaquin,  
mixture with antioxidant 81335-77-5D, Imazethapyr, mixture with antioxidant  
81405-85-8D, Imazamethabenzmethyl, mixture with antioxidant 81412-43-3D,  
Tridemorph, mixture with antioxidant 81777-89-1D, Clomazone, mixture with  
antioxidant 82097-50-5D, Triasulfuron, mixture with antioxidant  
82558-50-7D, Isoxaben, mixture with antioxidant 82657-04-3D, Bifenthrin,  
mixture with antioxidant 82692-44-2D, ,Benzofenap, mixture with antioxidant  
83055-99-6D, Bensulfuronmethyl, mixture with antioxidant 83164-33-4D,  
Diflufenican, mixture with antioxidant 83657-24-3D, Diniconazole, mixture  
with antioxidant 84087-01-4D, Quinclorac, mixture with antioxidant

84496-56-0D, Clomeprop, mixture with antioxidant 85509-19-9D, Flusilazole, mixture with antioxidant 85785-20-2D, Esprocarb, mixture with antioxidant 86209-51-0D, Primisulfuronmethyl, mixture with antioxidant 86763-47-5D, Propisochlor, mixture with antioxidant 87392-12-9D, S-Metolachlor, mixture with antioxidant 87546-18-7D, Flumicloracpentyl, mixture with antioxidant 87674-68-8D, Dimethenamid, mixture with antioxidant 87818-31-3D, Cinmethylin, mixture with antioxidant 87820-88-0D, Tralkoxydim, mixture with antioxidant 87833-54-3D, mixture with pesticide 88283-41-4D, ,Pyrifenoxy, mixture with antioxidant 88671-89-0D, Myclobutanil, mixture with antioxidant 88678-67-5D, Pyributicarb, mixture with antioxidant 89624-19-1D, Irganox, mixture with pesticide 90134-59-1D, Flamprop-M, mixture with antioxidant 90524-93-9D, mixture with pesticide 90717-03-6D, Quinmerac, mixture with antioxidant 90982-32-4D, Chlorimuronethyl, mixture with antioxidant 93697-74-6D, Pyrazosulfuronethyl, mixture with antioxidant 94051-08-8D, Quizalof op-P, mixture with antioxidant 94125-34-5D, ,Prosulfuron, mixture with antioxidant 94361-06-5D, Cyproconazole, mixture with antioxidant 94593-91-6D, Cinosulfuron, mixture with antioxidant 96491-05-3D, Thenylchlor, mixture with antioxidant 96525-23-4D, Flurtamone, mixture with antioxidant 97780-06-8 97886-45-8D, Dithiopyr, mixture with antioxidant 98967-40-9D, Flumetsulam, mixture with antioxidant 99105-77-8D, Sulcotrione, mixture with antioxidant 99129-21-2D, Clethodim, mixture with antioxidant 99485-76-4D, Cumyluron, mixture with antioxidant 100784-20-1D, Halosulfuronmethyl, mixture with antioxidant 101007-06-1D, Acrinathrin, mixture with antioxidant 101018-70-6D, ,2-Methyl-4-(dimethylaminomethyl)-5-hydroxybenzimidazole, mixture with pesticide 101200-48-0D, Tribenuronmethyl, mixture with antioxidant 101205-02-1D, Cycloxydim, mixture with antioxidant 103361-09-7D, Flumioxazin, mixture with antioxidant 104040-78-0D, Flazasulfuron, mixture with antioxidant 104098-48-8D, IMazapic, mixture with antioxidant **104206-82-8D**, MESotrione, mixture with antioxidant 104459-82-7D, AKH-7088, mixture with antioxidant 105512-06-9D, Clodinafoppropargyl, mixture with antioxidant 107534-96-3D, Tebuconazole, mixture with antioxidant 108173-90-6D, Guazatine, mixture with antioxidant 109293-97-2D, Diflufenzopyr, mixture with antioxidant 110488-70-5D, Dimethomorph, mixture with antioxidant 110956-75-7D, Pentoxazone, mixture with antioxidant 111479-05-1D, PROpaquizafof, mixture with antioxidant 111578-32-6D, Metobenzuron, mixture with antioxidant 112143-82-5D, Triazamate, mixture with antioxidant 112226-61-6D, mixture with antioxidant 112281-77-3D, Tetraconazole, mixture with antioxidant 113614-08-7D, Beflubutamid, mixture with antioxidant 114311-32-9D, Imazamox, mixture with antioxidant 114369-43-6D, Fenbuconazole, mixture with antioxidant 116255-48-2D, Bromuconazole, mixture with antioxidant 117337-19-6D, Fluthiacetmethyl, mixture with antioxidant 117428-22-5D, ZEN90160, mixture with antioxidant 117718-60-2D, Thiazopyr, mixture with antioxidant 118134-30-8D, SPiroxamine, mixture with antioxidant 118712-89-3D, Transfluthrin, mixture with antioxidant 119168-77-3D, Tebufenpyrad, mixture with antioxidant 119446-68-3D, Difenconazole, mixture with antioxidant 120068-37-3D, Fipronil, mixture with antioxidant 120162-55-2D, Azimsulfuron, mixture with antioxidant 120923-37-7D, Amidosulfuron, mixture with antioxidant 121552-61-2D, Cyprodinil, mixture with antioxidant 122008-85-9D, Cyhalof opbutyl, mixture with antioxidant 122548-33-8D, Imazosulfuron, mixture with antioxidant 122931-48-0D, Rimsulfuron, mixture with antioxidant 123343-16-8D, Pyriithiobacsodium, mixture with antioxidant 124495-18-7D, Quinoxifen, mixture with antioxidant 125116-23-6D, Metconazole, mixture with antioxidant 125306-83-4D, Cafenstrole, mixture with antioxidant 125401-92-5D, Bispyribacsodium, mixture with antioxidant 126535-15-7D, Triflusulfuronmethyl, mixture with antioxidant 126801-58-9D, Ethoxysulfuron, mixture with antioxidant 128639-02-1D, Carfentrazoneethyl, mixture with antioxidant 129630-19-9D, Pyraflufen-ethyl, mixture with antioxidant 129909-90-6D, Amicarbazone, mixture with antioxidant 131086-42-5D, ,HC-252, mixture with antioxidant 131341-86-1D, Fludioxonil, mixture with antioxidant 131475-57-5D, Triaziflam, mixture with antioxidant

131807-57-3D, ,Famoxadone, mixture with antioxidant 131860-33-8D, Azoxystrobin, mixture with antioxidant 131983-72-7D, Triticonazole, mixture with antioxidant 133220-30-1D, Indanofan, mixture with antioxidant 134605-64-4D, Butafenacil, mixture with antioxidant 135158-54-2, Acibenzolar-S-methyl 135410-20-7D, Acetamiprid, mixture with antioxidant 136426-54-5D, Fluquinconazole, mixture with antioxidant 136849-15-5D, Cyclosulfamuron, mixture with antioxidant 137641-05-5D, Picolinafen, mixture with antioxidant 138164-12-2D, Butoxydim, mixture with antioxidant 139001-49-3D, BAS 625 H, mixture with antioxidant 139528-85-1D, Metosulam, mixture with antioxidant 141112-29-0D, Isoxaflutole, mixture with antioxidant 141776-32-1D, Sulfosulfuron, mixture with antioxidant 142459-58-3D, FLufenacet, mixture with antioxidant 142891-20-1D, Cinidonethyl, mixture with antioxidant 143390-89-0D, Kresoximmethyl, mixture with antioxidant 144550-36-7D, Iodosulfuronmethylsodium, mixture with antioxidant 144651-06-9D, Oxasulfuron, mixture with antioxidant 144740-54-5D, Flupyrsulfuronmethylsodium, mixture with antioxidant 145701-21-9D, Diclosulam, mixture with antioxidant 145701-23-1D, Florasulam, mixture with antioxidant

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(seed and plant treatment composition to improve germination, plant health and yield)

IT 147150-35-4D, ,Cloransulammethyl, mixture with antioxidant 147411-69-6D, Pyriminobacmethyl, mixture with antioxidant 149508-90-7D, Simeconazole, mixture with antioxidant 149979-41-9D, Tepraloxydim, mixture with antioxidant 150035-60-2D, mixture with pesticide 150824-47-8D, Nitenpyram, mixture with antioxidant 153719-22-3D, mixture with antioxidant **153719-23-4D**, Thiamethoxam, mixture with antioxidant 156555-51-0D, Cycloeucalenol trans-ferulate, mixture with pesticide 156963-66-5D, Benzobicyclon, mixture with antioxidant 158237-07-1D, Fentrazamide, mixture with antioxidant 160791-64-0D, mixture with antioxidant 161050-58-4D, Methoxyfenozide, mixture with antioxidant 161326-34-7D, FEnamidone, mixture with antioxidant 168088-61-7D, Pyribenzoxim, mixture with antioxidant 168316-95-8D, XDE 105, mixture with antioxidant 168316-95-8D, Spinosad, mixture with antioxidant 174514-07-9D, FLuazolate, mixture with antioxidant 175217-20-6D, Silthiopham, mixture with antioxidant 181274-15-7D, MKH-6561, mixture with antioxidant 181274-17-9D, Flucarbazonessodium, mixture with antioxidant 210880-92-5D, Clothianidin, mixture with antioxidant 286011-27-6D, mixture with pesticide 286011-28-7D, 24-Methylenecycloartanol trans-ferulate, mixture with pesticide 286011-29-8D, 24-Methylcholesterol trans-ferulate, mixture with pesticide 286011-30-1D, mixture with pesticide 286011-35-6D, mixture with pesticide 286011-37-8D, 24-Methylenecycloartanol cis-ferulate, mixture with pesticide 286011-38-9D, Cycloeucalenol cis-ferulate, mixture with pesticide 286011-41-4D, 24-Methylcholesterol cis-ferulate, mixture with pesticide 286011-43-6D,  $\beta$ -Sitosterol cis-ferulate, mixture with pesticide 545386-92-3D, mixture with pesticide 786680-84-0D, mixture with pesticide 786680-85-1D, Stigmastenol trans-ferulate, mixture with pesticide 786680-86-2D, Stigmastenol cis-ferulate, mixture with pesticide 786680-87-3D, Campesterol cis-ferulate, mixture with pesticide 786680-88-4D, Campesterol trans-ferulate, mixture with pesticide 786680-89-5D, mixture with pesticide

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(seed and plant treatment composition to improve germination, plant health and yield)

AB Methods and compns. are described for the treatment of plants and plant propagation materials with an antioxidant alone or in combination with a pesticide for improved germination rates. Plants that grow from treated plant propagation materials, or plants that are treated directly, show improved stand d. or vigor, and/or improved yields.

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log h

(FILE 'HOME' ENTERED AT 11:31:33 ON 26 JAN 2011)

FILE 'REGISTRY' ENTERED AT 11:31:50 ON 26 JAN 2011

L1 0 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 7440-50-8D/RN  
L2 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 7440-50-8/RN  
D  
E MESOTRIONE/CN  
L3 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON MESOTRIONE/CN  
D

FILE 'REGISTRY' ENTERED AT 11:34:05 ON 26 JAN 2011

L4 0 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 104206-82-8D  
L5 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 104206-82-8

FILE 'CAPLUS' ENTERED AT 11:34:45 ON 26 JAN 2011

L6 153 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON 104206-82-8D

FILE 'REGISTRY' ENTERED AT 11:34:59 ON 26 JAN 2011

E CHLORPYRIFOS/CN  
L7 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS/CN  
E CHLORPYRIFOS-METHYL/CN  
L8 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS-METHYL/C  
N  
E TERBUFOS/CN  
L9 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TERBUFOS/CN  
L10 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TEFLUTHRIN/CN  
E TEFLUTHRIN/CN  
E THIAMETHOXAM/CN  
L11 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON THIAMETHOXAM/CN

FILE 'CAPLUS' ENTERED AT 11:38:30 ON 26 JAN 2011

L12 19 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L6 AND (L7 OR L8 OR L9  
OR L10 OR L11)  
D L12 IBIB HIT ABS 1-19

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	70.48	117.70
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-16.53	-16.53

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=> e thiamethoxam/cn

E1	1	THIAMETHAXAM/CN
E2	1	THIAMETHON/CN
E3	1 -->	THIAMETHOXAM/CN
E4	1	THIAMETHOXAM-AVERMECTIN MIXT./CN
E5	1	THIAMETHOXAM-BACILLUS FIRMUS MIXT./CN
E6	1	THIAMETHOXAM-BETA-CYFLUTHRIN MIXT./CN
E7	1	THIAMETHOXAM-CHLORANTRANILIPROLE MIXT./CN
E8	1	THIAMETHOXAM-CHLORFENAPYR MIXT./CN
E9	1	THIAMETHOXAM-CYHALOTHRIN MIXT./CN
E10	1	THIAMETHOXAM-DICHLORBENZURON MIXT./CN
E11	1	THIAMETHOXAM-DICHLORVOS MIXT./CN
E12	1	THIAMETHOXAM-DIFENOCONAZOLE-FLUDIOXONIL-METALAXYL-M MIXT./CN

=> s e3

L1 1 THIAMETHOXAM/CN

=> e teflurin/cn

E13	1	TEFLURAN/CN
E14	1	TEFLURANE/CN
E15	0 -->	TEFLURIN/CN
E16	1	TEFLURON/CN
E17	1	TEFLUTHRIN/CN
E18	1	TEFLUTHRIN CS/CN
E19	1	TEFLUTHRIN-ACEPHATE MIXT./CN
E20	1	TEFLUTHRIN-AVERMECTIN MIXT./CN
E21	1	TEFLUTHRIN-BUTYLENE-FIPRONIL MIXT./CN
E22	1	TEFLUTHRIN-CHLORPYRIFOS MIXT./CN
E23	1	TEFLUTHRIN-CLOTHIANIDIN MIXT./CN
E24	1	TEFLUTHRIN-DIAZINON MIXT./CN

=> e tefluthrin/cn

E25	1	TEFLURANE/CN
E26	1	TEFLURON/CN
E27	1 -->	TEFLUTHRIN/CN

E28	1	TEFLUTHRIN CS/CN
E29	1	TEFLUTHRIN-ACEPHATE MIXT./CN
E30	1	TEFLUTHRIN-AVERMECTIN MIXT./CN
E31	1	TEFLUTHRIN-BUTYLENE-FIPRONIL MIXT./CN
E32	1	TEFLUTHRIN-CHLORPYRIFOS MIXT./CN
E33	1	TEFLUTHRIN-CLOTHIANIDIN MIXT./CN
E34	1	TEFLUTHRIN-DIAZINON MIXT./CN
E35	1	TEFLUTHRIN-FIPRONIL MIXT./CN
E36	1	TEFLUTHRIN-IKI 220 MIXT./CN

=> s e27

L2	1	TEFLUTHRIN/CN
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=> e ferbufos/cn

E37	1	FERBERK/CN
E38	1	FERBITOL/CN
E39	0 -->	FERBUFOS/CN
E40	1	FERCHEK/CN
E41	1	FERCHROMIDE/CN
E42	1	FERCHROMONE/CN
E43	1	FERCHROMONOL/CN
E44	1	FERCOLIDE/CN
E45	1	FERCOMIN/CN
E46	1	FERCOPRENOL/CN
E47	1	FERCOPRENOL MONOACETATE/CN
E48	1	FERCOPROLONE/CN

=> e terbufos/cn

E49	1	TERBUFIBROL/CN
E50	1	TERBUFICIN/CN
E51	1 -->	TERBUFOS/CN
E52	1	TERBUFOS OXON/CN
E53	1	TERBUFOS OXON SULFONE/CN
E54	1	TERBUFOS OXON SULFOXIDE/CN
E55	1	TERBUFOS SULFONE/CN
E56	1	TERBUFOS SULFOXIDE/CN
E57	1	TERBUFOS-IKI 220 MIXT./CN
E58	1	TERBUFOS-PIPERONYL BUTOXIDE MIXT./CN
E59	1	TERBUFOXON/CN
E60	1	TERBUFOXON SULFONE/CN

=> s e51

L3	1	TERBUFOS/CN
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=> s chlorpyrifos/cn

L4	1	CHLORPYRIFOS/CN
----	---	-----------------

=> e chlorpyrifos-methyl/cn

E61	1	CHLORPYRIFOS-LAMBDA-CYHALOTHRIN MIXT./CN
E62	1	CHLORPYRIFOS-MALATHION MIXT./CN
E63	1 -->	CHLORPYRIFOS-METHYL/CN
E64	1	CHLORPYRIFOS-METHYL METHOPRENE MIXT./CN
E65	1	CHLORPYRIFOS-METHYL OXON/CN
E66	1	CHLORPYRIFOS-METHYL-BIORESMETHRIN MIXT./CN
E67	1	CHLORPYRIFOS-METHYL-CYHALOTHRIN MIXT./CN
E68	1	CHLORPYRIFOS-METHYL-CYPERMETHRIN MIXT./CN
E69	1	CHLORPYRIFOS-METHYL-DELTAMETHRIN MIXT./CN
E70	1	CHLORPYRIFOS-MINERAL OIL MIXT./CN
E71	1	CHLORPYRIFOS-NITENPYRAM MIXT./CN
E72	1	CHLORPYRIFOS-PERMETHRIN MIXT./CN

=> s e63



L5 1 CHLORPYRIFOS-METHYL/CN

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ENTRY	SESSION
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FULL ESTIMATED COST

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FILE LAST UPDATED: 9 Feb 2011 (20110209/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

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=> s herbicide (1) (11 or 12 or 13 or 14 or 15)

82857 HERBICIDE  
73302 HERBICIDES  
98832 HERBICIDE  
(HERBICIDE OR HERBICIDES)

1642 L1  
632 L2  
1234 L3  
10665 L4  
1850 L5

L6 90 HERBICIDE (L) (L1 OR L2 OR L3 OR L4 OR L5)

=> s herbicide (1) (11 and 12 and 13 and 14 and 15)

PROXIMITY OPERATION NOT ALLOWED

Certain operators may not be nested in combination with other operators. A nested operator is valid only when it occurs at the same level or above the operator outside the nested phrase as determined by the following precedence list:

1. Numeric
2. (W), (NOTW), (A), (NOTA)
3. (S), (NOTS)
4. (P), (NOTP)
5. (L), (NOTL)

6. AND, NOT
7. OR

For example, '(MONOCLONAL(W)ANTIBOD?)(L)ANTIGEN?' is valid since (W) is above (L) on the precedence list. However, '((THIN(W)LAYER)(L)PHOSPHOLIPID#)(A)LACTONE#' is not valid since (L) is below (A) on the precedence list. The only exception is the 'OR' operator. This operator may be used in combination with any other operator. For example, '(ATOMIC OR NUCLEAR)(W)REACTOR' is valid.

```
=> s herbicide (1) 11 (1) 12 (1) 13 (1) 14 (1) 15
```

```
82857 HERBICIDE
```

```
73302 HERBICIDES
```

```
98832 HERBICIDE
```

```
(HERBICIDE OR HERBICIDES)
```

```
1642 L1
```

```
632 L2
```

```
1234 L3
```

```
10665 L4
```

```
1850 L5
```

```
L7 0 HERBICIDE (L) L1 (L) L2 (L) L3 (L) L4 (L) L5
```

```
=> s herbicide (1) 11 (1) 12 (1) 13 (1) 14
```

```
82857 HERBICIDE
```

```
73302 HERBICIDES
```

```
98832 HERBICIDE
```

```
(HERBICIDE OR HERBICIDES)
```

```
1642 L1
```

```
632 L2
```

```
1234 L3
```

```
10665 L4
```

```
L8 0 HERBICIDE (L) L1 (L) L2 (L) L3 (L) L4
```

```
=> s herbicide (1) 11 (1) 12 (1) 13
```

```
82857 HERBICIDE
```

```
73302 HERBICIDES
```

```
98832 HERBICIDE
```

```
(HERBICIDE OR HERBICIDES)
```

```
1642 L1
```

```
632 L2
```

```
1234 L3
```

```
L9 0 HERBICIDE (L) L1 (L) L2 (L) L3
```

```
=> s herbicide (1) 11 (1) 12
```

```
82857 HERBICIDE
```

```
73302 HERBICIDES
```

```
98832 HERBICIDE
```

```
(HERBICIDE OR HERBICIDES)
```

```
1642 L1
```

```
632 L2
```

```
L10 0 HERBICIDE (L) L1 (L) L2
```

```
=> d 16 ibib hit 80-90
```

```
L6 ANSWER 80 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN
```

```
ACCESSION NUMBER: 1980:420602 CAPLUS
```

```
DOCUMENT NUMBER: 93:20602
```

```
ORIGINAL REFERENCE NO.: 93:3447a,3450a
```

```
TITLE: Effect of five pesticides on the mycelial growth of  
some soil and pathogenic fungi
```

```
AUTHOR(S): El-Hissy, F. T.; Abdel-Kader, M. I. A.
```

```
CORPORATE SOURCE: Fac. Sci., Assiut Univ., Assiut, Egypt
```

SOURCE: Zeitschrift fuer Allgemeine Mikrobiologie (1980),  
20(4), 257-63  
CODEN: ZAPOAK; ISSN: 0044-2208  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD  
(2 CITINGS)

AB The effect of 3 doses (the lowest is the recommended field dose) of Ceresan [107-27-7], Orthocide [133-06-2] (fungicides), VCS-438 [20354-26-1] (**herbicide**), and Dursban [2921-88-2] and Dipterex [52-68-6] (insecticides) on the mycelial dry weight of *Aspergillus fumigatus*, *Fusarium moniliforme*, *Penicillium italicum*, and *Sclerotium cepivorum* was tested 2, 4, 6, 8 and 10 days after treatment. All the pesticides induced inhibition of mycelial growth of the test fungi. Only VCS-438 at the low dose was stimulatory to *F. moniliforme* after 4 and 6 days and to *P. italicum* after 4 days. The rate of inhibition was influenced by the type of fungus, the age of the mycelium, and the dose of the pesticide. At the end of the experiment the two fungicides were detoxified by the test fungi at a rate higher than that of the other pesticides.

L6 ANSWER 81 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1980:214050 CAPLUS  
DOCUMENT NUMBER: 92:214050  
ORIGINAL REFERENCE NO.: 92:34671a,34674a  
TITLE: Transformations of soil nitrogen associated with urea fertilization combined with pesticide application  
AUTHOR(S): Moawad, A. A. Hassan; Zohdy, L. I.; El-Din, H. Gamal; El-Din, S. M. S. Badr  
CORPORATE SOURCE: Natl. Res. Cent., Cairo, Egypt  
SOURCE: Egyptian Journal of Microbiology (1979), 14(1-2), 21-8  
CODEN: EJ MBA2; ISSN: 0301-8172  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB A laboratory experiment was carried out to study the effect of some pesticides Cotoran [2164-17-2], Dursban [2921-88-2], zineb [12122-67-7] and Temik [116-06-3] on the transformations of N in urea-treated soil. The application of pesticides, at field rates, retarded urea hydrolysis in the investigated loamy soil. Among the used pesticides, Temik (nematocide) proved to be the most effective in this respect followed by Cotoran (**herbicide**). Similarly, the nitrification process was also retarded as indexed by the low densities of nitrifiers and amts. of nitrate-N early in the exptl. period. Such temporary retardation permits a stream of NH<sub>3</sub> to be nitrified gently by nitrifiers, hence, reducing the losses of NH<sub>3</sub> and allowing high accumulation of NO<sub>3</sub> in pesticide treatments. The possibility of regulating the processes involved in the transformation of N in urea-treated soil by com. pesticides was discussed.

L6 ANSWER 82 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1980:175419 CAPLUS  
DOCUMENT NUMBER: 92:175419  
ORIGINAL REFERENCE NO.: 92:28335a,28338a  
TITLE: Influence of selected pesticides on the microbial degradation of 14C-triallate and 14C-diallate in soil  
AUTHOR(S): Anderson, John P. E.; Domsch, Klaus H.  
CORPORATE SOURCE: Inst. Bodenbiol., Bundesforschungsanst. Landwirtsch., Braunschweig, D 3300, Fed. Rep. Ger.  
SOURCE: Archives of Environmental Contamination and Toxicology (1980), 9(1), 115-23  
CODEN: AECTCV; ISSN: 0090-4341  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD

(2 CITINGS)

AB Degradation in soil of allyl-2-<sup>14</sup>C-labeled triallate [2303-17-5] and carbonyl-<sup>14</sup>C-labeled diallate [2303-16-4], as affected by other selected pesticides, was studied in an incubation system that allowed recovery of 95-100% of added <sup>14</sup>C. The amount and sequence of pesticide addns. simulated field use in the protection of wheat (triallate) and sugar beets (diallate). Neither the rate nor the pattern of triallate degradation in soil was influenced by the following sequence of formulated pesticides: dinoseb acetate [2813-95-8], bentazon-dichlorprop-2,4,5-T mixture [71437-59-7], 2,4-D [94-75-7], chlorcholine chloride-choline chloride mixture [73482-05-0], tridemorph [24602-86-6], and thiophanate [23564-06-9]. Similarly, diallate degradation was unaffected by pyrazon [1698-60-8], dimethoate [60-51-5], and thiophanate. The effect of azinphosmethyl [86-50-0] was unclear. In contrast, chlorpyrifos (I) [2921-88-2] reduced diallate degradation by .apprx.14% relative to that occurring in the insecticide's absence. This effect was caused by I and not its formulation components. I also partially inhibited degradation of triallate in soil. Inhibition of neither **herbicide** was considered to be of ecol. significance. Triallate, diallate, and thiophanate were applied at 1 µg/g; all others were at 2 µg/g.

L6 ANSWER 83 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1980:122949 CAPLUS  
DOCUMENT NUMBER: 92:122949  
ORIGINAL REFERENCE NO.: 92:19957a,19960a  
TITLE: Results of studies on the toxicity to bees of plant protective agents and their effects  
AUTHOR(S): Kupetz, H.; Nieder, G.; Wegner, H.  
CORPORATE SOURCE: Vienna, Austria  
SOURCE: Pflanzenschutzberichte (1979), Volume Date 1976, 45(7-12), 165-88  
CODEN: PSBEA4; ISSN: 0031-675X  
DOCUMENT TYPE: Journal  
LANGUAGE: German

AB Of 28 insecticides (and acaricides) tested for oral and contact toxicity for honeybees, dioxacarb (I) [6988-21-2], chlorpyrifos [2921-88-2], Etrimfos [38260-54-7], SRA 774 [72962-59-5], acephate [30560-19-1], dimefox [115-26-4], chlorthiophos [60238-56-4], and ethiofencarb [29973-13-5] were the most toxic. Of 29 fungicides, only Afugan [13457-18-6] was toxic. Of 47 **herbicides**, only Avenge [43222-48-6] and Butisan [21267-72-1] were toxic.

L6 ANSWER 84 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1979:181568 CAPLUS  
DOCUMENT NUMBER: 90:181568  
ORIGINAL REFERENCE NO.: 90:28765a,28768a  
TITLE: Selective effects of five pesticides on soil and cotton-rhizosphere and rhizoplane fungus flora  
AUTHOR(S): Abdel-Kader, M. I. A.; Moubasher, A. H.; Abdel-Hafez, S. I.  
CORPORATE SOURCE: Fac. Sci., Assiut Univ., Assiut, Egypt  
SOURCE: Mycopathologia (1978), 66(1-2), 117-23  
CODEN: MYCPAH; ISSN: 0369-299X  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD

(1 CITINGS)

AB Ceresan [107-27-7] and Orthocide [133-06-2] (fungicides used as seed dressing) after 3 days were toxic to the total count of soil fungi and to almost all fungal genera and species. After 40 days their toxicity was almost alleviated in the soil, but persisted in the rhizosphere. The **herbicide**, VCS 438 [20354-26-1], did not affect the total count

of soil fungi but was initiative to the total rhizosphere fungi. Some fungal species were promoted in the soil and rhizosphere and others were depressed. Dipterex [52-68-6] (insecticide) increased the total count of soil fungi after 3 days, especially to some specific fungii but this effect was almost gone after 40 days. In the rhizosphere, it increased the total count of fungi and on some fungal genera and species. Dursban [2921-88-2] (insecticide) had no effect on the total count of soil and rhizosphere fungi, but few species were promoted. The rhizoplane fungi were the least sensitive, and none of the 5 pesticides induced effect on the total count, but some species were either promoted or inhibited.

L6 ANSWER 85 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1978:471976 CAPLUS

DOCUMENT NUMBER: 89:71976

ORIGINAL REFERENCE NO.: 89:11055a,11058a

TITLE: Preliminary research on the combined effects of herbicides and soil disinfectants on sugar beets  
AUTHOR(S): Pritoni, G.; Quaquarelli, S.; Catizone, P.; Venturi, G.

CORPORATE SOURCE: Ist. Agron. Gen. Coltiv. Erbacee, Univ. Bologna, Bologna, Italy

SOURCE: Industria Saccarifera Italiana (1978), 71(1), 5-10  
CODEN: INSIAN; ISSN: 0019-7734

DOCUMENT TYPE: Journal

LANGUAGE: Italian

AB The **herbicides** metamitron [41394-05-2] and pyrazon [1698-60-8] singly or combined with lindane [58-89-9], bendiocarb [22781-23-3], thiofanox, [39196-18-4], and terbufos [13071-79-9] showed no phytotoxicity to sugar beet in field expts. Phorate [298-02-2] and carbofuran [1563-66-2] were slightly phytotoxic, independently of **herbicides**. All treatments increased the root and sugar yield. The **herbicides** increased the polarimetric sugar content and decreased the Na content of the pulp.

IT 58-89-9 298-02-2 1563-66-2 13071-79-9 22781-23-3  
39196-18-4

RL: BIOL (Biological study)  
(sugar beet response to **herbicides** and)

L6 ANSWER 86 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1977:479650 CAPLUS

DOCUMENT NUMBER: 87:79650

ORIGINAL REFERENCE NO.: 87:12645a,12648a

TITLE: Phytotoxicity due to soil insecticides and herbicides in sugar beet growing for 1976

AUTHOR(S): Bongiovanni, Gian Carlo

CORPORATE SOURCE: Italy

SOURCE: Informatore Fitopatologico (1977), 27(2), 21-3  
CODEN: INFAP; ISSN: 0020-0735

DOCUMENT TYPE: Journal

LANGUAGE: Italian

AB Of 4 soil-applied insecticides tested, thiophanox [39196-18-4] and phorate [298-02-2] were phytotoxic to sugar beet. Carbofuran [1563-66-2] was slightly phytotoxic, and terbufos [13071-79-9] did not damage sugar beet. Of 2 preplant **herbicides** tested, lenacil [2164-08-1] was more phytotoxic to the beet than pyrazon [1698-60-8]. When applied together, the **herbicides** showed no synergism with the insecticides.

L6 ANSWER 87 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1977:84410 CAPLUS

DOCUMENT NUMBER: 86:84410

ORIGINAL REFERENCE NO.: 86:13309a,13312a  
TITLE: Toxicity of five ricefield pesticides to the  
mosquitofish, *Gambusia affinis*, and green sunfish,  
*Lepomis cyanellus*, under laboratory and field  
conditions in Arkansas  
AUTHOR(S): Davey, Ronald B.; Meisch, M. V.; Carter, Frank L.  
CORPORATE SOURCE: Dep. Entomol., Univ. Arkansas, Fayetteville, AR, USA  
SOURCE: Environmental Entomology (1976), 5(6), 1053-6  
CODEN: EVETBX; ISSN: 0046-225X  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD  
(3 CITINGS)

AB Of the 5 pesticides tested in the laboratory, parathion (I) [56-38-2] and  
chlorpyrifos (II) [2921-88-2] were the most toxic to green  
sunfish and I was the most toxic to mosquitofish. Carbofuran [1563-66-2]  
was the least toxic insecticide to both species. Insecticides were more  
toxic than **herbicides**, and of the latter, propanil [709-98-8]  
was more toxic than molinate [2212-67-1]. In field expts., only I and II  
caused >10% fish mortality. The LC50 and LC90 values for the 5 pesticides  
were determined

L6 ANSWER 88 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1974:515615 CAPLUS  
DOCUMENT NUMBER: 81:115615  
ORIGINAL REFERENCE NO.: 81:18260h,18261a  
TITLE: Toxicity of herbicides and mosquito larvicides to the  
mosquito fish *Gambusia affinis*  
AUTHOR(S): Darwazeh, H. A.; Mulla, M. S.  
CORPORATE SOURCE: Dep. Entomol., Univ. California, Riverside, CA, USA  
SOURCE: Mosquito News (1974), 34(2), 214-19  
CODEN: MOSQAU; ISSN: 0027-142X  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Soil sterilant type **herbicides**, atrazine (I) [1912-24-9],  
simazine [122-34-9], propazine [139-40-2], caparol [7287-19-6], ametryne  
[834-12-8], and pramitol [2-methoxy-4,6-bis(isopropylamino)-s-triazine]  
[1610-18-0], caused no acute mortality to mosquito fish (*G. affinis*)  
within 48 hr at concns. up to 10 ppm in laboratory expts., or within 5 days at

5

lb/acre active ingredient in field ponds. Abate [3383-96-8], in laboratory  
expts., caused no fish mortality at 5 ppm within 48 hr, however,  
chlorpyrifos [2921-88-2], Bay 69047 [19645-42-2], and Bay 77488  
[14816-18-3] at 5 ppm produced complete mortality. In field ponds,  
chlorpyrifos, Bay 77488 and 69047, at larvicidal rates (<0.1 ppm), caused  
negligible fish mortality. Akton [1757-18-2] (0.1 lb/acre) was highly  
toxic to the fish. The toxicity of aliphatic amines to the fish varied  
according to the type of solvents used. At larvicidal rates (1-5 ppm),  
most formulations were highly toxic in the laboratory, but no acute toxicity

was

observed at the larvicidal rate (0.25-1.0 lb/acre) in the field. Surface  
breathing insects and water skimming spiders, however, were adversely  
affected.

L6 ANSWER 89 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1973:401074 CAPLUS  
DOCUMENT NUMBER: 79:1074  
ORIGINAL REFERENCE NO.: 79:211a,214a  
TITLE: Avoidance of pesticides by grass shrimp (*Palaemonetes*  
*pugio*)  
AUTHOR(S): Hansen, David J.; Schimmel, Steven C.; Keltner, James  
M., Jr.

CORPORATE SOURCE: Gulf Breeze Lab., Environ. Prot. Agency, Gulf Breeze,  
FL, USA  
SOURCE: Bulletin of Environmental Contamination and Toxicology  
(1973), 9(3), 129-33  
CODEN: BECTA6; ISSN: 0007-4861  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD  
(3 CITINGS)

AB The euryhaline grass shrimp (*P. pugio*) avoided the **herbicide**,  
2,4-D 2-butoxyethyl ester (I) [1929-73-3] (1.0 and 10.0 ppm) by seeking  
water free of this **herbicide**, but did not avoid any of 5  
insecticides DDT [50-29-3], endrin [72-20-8], Dursban [**2921-88-2**  
, malathion [121-75-5], or sevin [63-25-2]) avoided by some fish species  
in earlier expts. Thus, crustaceans may be particularly sensitive to  
insecticide due to their inability to avoid pesticide pollution.

L6 ANSWER 90 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1973:68155 CAPLUS  
DOCUMENT NUMBER: 78:68155  
ORIGINAL REFERENCE NO.: 78:10799a,10802a  
TITLE: Insecticidal seed dressings on drill-seeded rice to  
control the rice water weevil  
AUTHOR(S): Gifford, J. R.; Oliver, B. F.; Trahan, G. B.  
CORPORATE SOURCE: Entomol. Res. Div., Agric. Res. Serv., Baton Rouge,  
LA, USA  
SOURCE: Journal of Economic Entomology (1972), 65(5), 1380-3  
CODEN: JEENAI; ISSN: 0022-0493  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Out of 45 insecticides field tested as seed dressings on drill-seeded rice  
to control the rice water weevil (*Lissorhoptrus oryzophilus*), only  
chlorpyrifos [**2921-88-2**] and PP 211  
(O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-di-Et phosphorothioate)  
[23505-41-1] provided larval control without reducing the stand and  
without interacting with the **herbicide** propanil to cause  
seedling leaf burn.

=> s herbicide (1) (12 or 13 or 14 or 15)  
82857 HERBICIDE  
73302 HERBICIDES  
98832 HERBICIDE  
(HERBICIDE OR HERBICIDES)  
632 L2  
1234 L3  
10665 L4  
1850 L5  
L11 85 HERBICIDE (L) (L2 OR L3 OR L4 OR L5)

=> s herbicide (1) 15  
82857 HERBICIDE  
73302 HERBICIDES  
98832 HERBICIDE  
(HERBICIDE OR HERBICIDES)  
1850 L5  
L12 5 HERBICIDE (L) L5

=> s herbicide (1) 14  
82857 HERBICIDE  
73302 HERBICIDES  
98832 HERBICIDE

(HERBICIDE OR HERBICIDES)  
10665 L4  
L13 67 HERBICIDE (L) L4

=> s herbicide (1) 13  
82857 HERBICIDE  
73302 HERBICIDES  
98832 HERBICIDE  
(HERBICIDE OR HERBICIDES)  
1234 L3  
L14 25 HERBICIDE (L) L3

=> s herbicide (1) 12  
82857 HERBICIDE  
73302 HERBICIDES  
98832 HERBICIDE  
(HERBICIDE OR HERBICIDES)  
632 L2  
L15 7 HERBICIDE (L) L2

=> d l15 ibib hit 7

L15 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN  
ACCESSION NUMBER: 1993:96275 CAPLUS  
DOCUMENT NUMBER: 118:96275  
ORIGINAL REFERENCE NO.: 118:16733a,16736a  
TITLE: Antidotes reducing pesticidal interactions with  
herbicides in crops  
INVENTOR(S): Bussler, Brett Hayden; Hakes, Harrison Ross; Mayonado,  
David James  
PATENT ASSIGNEE(S): Monsanto Co., USA  
SOURCE: PCT Int. Appl., 331 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9211761	A1	19920723	WO 1991-US9783	19911230
W: AU, BG, BR, CA, CS, FI, HU, JP, KR, PL, RO, RU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
US 5484760	A	19960116	US 1991-808590	19911220
AU 9191521	A	19920817	AU 1991-91521	19911230
EP 565593	A1	19931020	EP 1992-902922	19911230
EP 565593	B1	19990303		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
BR 9107199	A	19940405	BR 1991-7199	19911230
PRIORITY APPLN. INFO.:			US 1990-636360	A2 19901231
			US 1991-808590	A 19911220
			WO 1991-US9783	A 19911230

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 118:96275  
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD  
(2 CITINGS)  
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT  
IT 121-75-5 298-02-2, Thimet 333-41-5, Diazinon 944-22-9, Fonofos  
1563-66-2, Furadan 13194-48-4, Ethoprop 54593-83-8  
**79538-32-2**, Force (pesticide)  
RL: AGR (Agricultural use); BAC (Biological activity or effector, except



adverse); BSU (Biological study, unclassified); BIOL (Biological study);  
USES (Uses)  
(neg. synergism of, with **herbicides**, antidotes for  
suppression of)

=> d 115 ibib hit 1-6

L15 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:529321 CAPLUS  
DOCUMENT NUMBER: 152:494925  
TITLE: Use of sodium channel modulator herbicides on  
transgenic, herbicide resistant cultivated plants  
INVENTOR(S): Gewehr, Markus; Gladwin, Robert John; Logemann,  
Juergen; Puente, Pilar; Stuiver, Maarten Hendrik;  
Voeste, Dirk  
PATENT ASSIGNEE(S): BASF SE, Germany  
SOURCE: PCT Int. Appl., 184pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010046382	A2	20100429	WO 2009-EP63783	20091021
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2008-167123 A 20081021  
IT 121-21-1, Pyrethrin I 121-29-9, Pyrethrin II 584-79-2, Allethrin  
7696-12-0, Tetramethrin 10453-86-8, Resmethrin 23031-36-9, Prallethrin  
39515-40-7, Cyphenothrin 39515-41-8, Fenpropathrin 51630-58-1,  
Fenvalerate 52315-07-8, Cypermethrin 52645-53-1, Permethrin  
52918-63-5, Deltamethrin 63935-38-6, Cycloprothrin 66230-04-4,  
Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin  
68359-37-5, Cyfluthrin 70124-77-5, Flucythrinate 71697-59-1,  
Theta-cypermethrin 72963-72-5, Imiprothrin 76703-62-3,  
Gamma-cyhalothrin **79538-32-2**, Tefluthrin 80844-07-1,  
Etofenprox 82657-04-3, Bifenthrin 101007-06-1, Acrinathrin  
102851-06-9, Tau-fluvalinate 105024-66-6, Silafluofen 118712-89-3,  
Transfluthrin 223419-20-3, Profluthrin 271241-14-6, Dimefluthrin  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(use of sodium channel modulator **herbicides** on transgenic,  
**herbicide** resistant cultivated plants)

L15 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2009:1395518 CAPLUS  
DOCUMENT NUMBER: 151:503920  
TITLE: Method for protecting soybeans from being infected by  
fungi using synergistically active combination of  
fungicides, with optional herbicides and/or pesticides

INVENTOR(S): Groeger, Ulf; Strathmann, Siegfried; Vonend, Michael;  
Haden, Egon  
PATENT ASSIGNEE(S): BASF SE, Germany  
SOURCE: PCT Int. Appl., 17pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2009135834	A2	20091112	WO 2009-EP55407	20090505
WO 2009135834	A3	20100923		
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AR 71693	A1	20100707	AR 2009-101656	20090507
PRIORITY APPLN. INFO.:			EP 2008-155881	A 20080508
IT 1071-83-6D, Glyphosate, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 2921-88-2D, Chlorpyrifos, mixts. containing 13071-79-9D, Terbufos, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 54593-83-8D, Chlorethoxyfos, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 63837-33-2D, Diofenolan, mixts. containing 67375-30-8D, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing <b>79538-32-2D</b> , Tefluthrin, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D, Imazethapyr, mixts. containing 81591-81-3D, Sulfosate, mixts. containing 82560-54-1D, Benfuracarb, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 96182-53-5D, Tebupirimfos, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 104098-48-8D, Imazapic, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 120068-37-3D, Fipronil, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153719-23-4D, Thiamethoxam, mixts. containing 163515-14-8D, Dimethenamid-P, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 581809-46-3D, Bixafen, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (method for protecting soybeans from being infected by fungi using synergistically active combination of fungicides, with optional <b>herbicides</b> and/or pesticides)				

L15 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2008:1299737 CAPLUS

DOCUMENT NUMBER: 149:507223

TITLE: Improving the productivity of transgenic plants by use of herbicides, fungicides, or insecticides

INVENTOR(S): Voeste, Dirk; Haden, Egon; McKersie, Bryan; Wang, Xi-Qing; Hudelson, Timothy  
 PATENT ASSIGNEE(S): BASF SE, Germany  
 SOURCE: PCT Int. Appl., 218pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008129060	A2	20081030	WO 2008-EP54924	20080423
WO 2008129060	A3	20090219		
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2008240710	A1	20081030	AU 2008-240710	20080423
CA 2682294	A1	20081030	CA 2008-2682294	20080423
EP 2076602	A2	20090708	EP 2008-749670	20080423
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS			
AR 67311	A1	20091007	AR 2008-101719	20080423
KR 2010015796	A	20100212	KR 2009-7022070	20080423
JP 2010524483	T	20100722	JP 2010-504673	20080423
IN 2009KN03308	A	20100709	IN 2009-KN3308	20090917
US 20100093715	A1	20100415	US 2009-596856	20091021
MX 2009011456	A	20091105	MX 2009-11456	20091023
CN 101668860	A	20100310	CN 2008-80013248	20091023
PRIORITY APPLN. INFO.:			US 2007-913349P	P 20070423
			WO 2008-EP54924	W 20080423
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)				
IT	60-51-5D, Dimethoate, binary mixts. 62-73-7D, Dichlorvos, binary mixts. 63-25-2D, Carbaryl, binary mixts. 94-75-7D, 2,4-D, binary mixts. 115-29-7D, Endosulfan, binary mixts. 116-06-3D, Aldicarb, binary mixts. 122-14-5D, Fenitrothion, binary mixts. 133-06-2D, Captan, binary mixts. 133-07-3D, Folpet, binary mixts. 137-26-8D, Thiram, binary mixts. 298-00-0D, Methylparathion, binary mixts. 298-02-2D, Phorate, binary mixts. 330-54-1D, Diuron, binary mixts. 333-41-5D, Diazinon, binary mixts. 950-37-8D, Methidathion, binary mixts. 1071-83-6D, Glyphosate, binary mixts. 1563-66-2D, Carbofuran, binary mixts. 1582-09-8D, Trifluralin, binary mixts. 1593-77-7D, Dodemorph, binary mixts. 1689-84-5D, Bromoxynil, binary mixts. 1698-60-8D, Chloridazon, binary mixts. 1702-17-6D, Clopyralid, binary mixts. 1897-45-6D, Chlorothalonil, binary mixts. 1912-24-9D, Atrazine, binary mixts. 1918-00-9D, Dicamba, binary mixts. 1918-02-1D, Picloram, binary mixts. 2921-88-2D, Chlorpyrifos, binary mixts. 3347-22-6D, Dithianon, binary mixts. 4685-14-7D, Paraquat, binary mixts. 6923-22-4D, Monocrotophos, binary mixts. 8018-01-7D, Mancozeb, binary mixts. 9006-42-2D, Metiram, binary mixts. 10265-92-6D, binary mixts. 10605-21-7D, Carbendazim,			

binary mixts. 12427-38-2D, Maneb, binary mixts. 13071-79-9D, Terbufos, binary mixts. 13356-08-6D, Fenbutatin oxide, binary mixts. 13684-63-4D, Phenmedipham, binary mixts. 15845-66-6D, Fosetyl, binary mixts. 16752-77-5D, Methomyl, binary mixts. 23564-05-8D, Thiophanate methyl, binary mixts. 25057-89-0D, Bentazone, binary mixts. 27605-76-1D, Probenazole, binary mixts. 30560-19-1D, Acephate, binary mixts. 34256-82-1D, Acetochlor, binary mixts. 35367-38-5D, Diflubenzuron, binary mixts. 36734-19-7D, Iprodione, binary mixts. 39148-24-8D, Fosetyl aluminum, binary mixts. 40487-42-1D, Pendimethalin, binary mixts. 41198-08-7D, Profenofos, binary mixts. 50471-44-8D, Vinclozolin, binary mixts. 50594-66-6D, Acifluorfen, binary mixts. 51218-45-2D, Metolachlor, binary mixts. 51235-04-2D, Hexazinone, binary mixts. 51276-47-2D, Glufosinate, binary mixts. 52315-07-8D, Cypermethrin, binary mixts. 52645-53-1D, Permethrin, binary mixts. 52918-63-5D, Deltamethrin, binary mixts. 53112-28-0D, Pyrimethanil, binary mixts. 55285-14-8D, Carbosulfan, binary mixts. 57837-19-1D, Metalaxyl, binary mixts. 57966-95-7D, Cymoxanil, binary mixts. 59669-26-0D, Thiodicarb, binary mixts. 60207-90-1D, Propiconazole, binary mixts. 66230-04-4D, Esfenvalerate, binary mixts. 67129-08-2D, Metazachlor, binary mixts. 67306-00-7D, Fenpropidin, binary mixts. 67375-30-8D, Alphacypermethrin, binary mixts. 67485-29-4D, Hydramethylnon, binary mixts. 67564-91-4D, Fenpropimorph, binary mixts. 67747-09-5D, Prochloraz, binary mixts. 68359-37-5D, Cyfluthrin, binary mixts. 69335-91-7D, Fluazifop, binary mixts. 69377-81-7D, Fluroxypyr, binary mixts. 69806-34-4D, Haloxypop, binary mixts. 71751-41-2D, Abamectin, binary mixts. 74051-80-2D, Sethoxydim, binary mixts. 74223-64-6D, Metsulfuronmethyl, binary mixts. 76674-21-0D, Flutriafol, binary mixts. **79538-32-2D**, Tefluthrin, binary mixts. 79622-59-6D, Fluzinam, binary mixts. 81334-34-1D, Imazapyr, binary mixts. 81335-37-7D, Imazaquin, binary mixts. 81335-77-5D, Imazethapyr, binary mixts. 81412-43-3D, Tridemorph, binary mixts. 81591-81-3D, Sulfosate, binary mixts. 82657-04-3D, Bifenthrin, binary mixts. 83121-18-0D, Teflubenzuron, binary mixts. 84087-01-4D, Quinclorac, binary mixts. 85509-19-9D, Flusilazole, binary mixts. 87674-68-8D, Dimethenamid, binary mixts. 87818-31-3D, Cinmethylin, binary mixts. 88671-89-0D, Myclobutanil, binary mixts. 90717-03-6D, Quinmerac, binary mixts. 90982-32-4D, Chlorimuron ethyl, binary mixts. 95617-09-7D, Fenoxaprop, binary mixts. 99129-21-2D, Clethodim, binary mixts. 99283-01-9D, Bensulfuron, binary mixts. 100728-84-5D, Imazamethabenz, binary mixts. 101205-02-1D, Cycloxydim, binary mixts. 101463-69-8D, Flufenoxuron, binary mixts. 103055-07-8D, Lufenuron, binary mixts. 104098-48-8D, Imazapic, binary mixts. 104206-82-8D, Mesotrione, binary mixts. 107534-96-3D, Tebuconazole, binary mixts. 109293-97-2D, Diflufenzopyr, binary mixts. 110488-70-5D, Dimethomorph, binary mixts. 111988-49-9D, Thiachloprid, binary mixts. 111991-09-4D, Nicosulfuron, binary mixts. 112281-77-3D, Tetraconazole, binary mixts. 114311-32-9D, Imazamox, binary mixts. 114420-56-3D, Clodinafop, binary mixts. 118134-30-8D, Spiroxamine, binary mixts. 119446-68-3D, Difenconazole, binary mixts. 119791-41-2D, Emamectin, binary mixts. 120068-37-3D, Fipronil, binary mixts. 121552-61-2D, Cyprodinil, binary mixts. 122453-73-0D, Chlorfenapyr, binary mixts. 122931-48-0D, Rimsulfuron, binary mixts. 125116-23-6D, Metconazole, binary mixts. 131341-86-1D, Fludioxonil, binary mixts. 131807-57-3D, Famoxadone, binary mixts. 131860-33-8D, Azoxystrobin, binary mixts. 131983-72-7D, Triticonazole, binary mixts. 133855-98-8D, Epoxiconazole, binary mixts. 135410-20-7D, Acetamiprid, binary mixts. 135990-29-3D, Triflusulfuron, binary mixts. 136426-54-5D, Fluquinconazole, binary mixts. 136849-15-5D, Cyclosulfamuron, binary mixts. 137641-05-5D, Picolinafen, binary mixts. 138261-41-3D, Imidacloprid, binary mixts. 139001-49-3D, Profoxydim, binary mixts. 139968-49-3D, Metaflumizone, binary mixts. 141517-21-7D, Trifloxystrobin, binary mixts. 142891-20-1D, Cinidonethyl, binary mixts. 143390-89-0D, Kresoximmethyl, binary mixts. 145701-23-1D, Florasulam,

binary mixts. 149961-52-4D, Dimoxystrobin, binary mixts. 149979-41-9D, Tepraloxym, binary mixts. 153719-23-4D, Thiamethoxam, binary mixts. 158062-67-0D, Flonicamid, binary mixts. 165252-70-0D, Dinotefuran, binary mixts. 168316-95-8D, Spinosad, binary mixts. 173584-44-6D, Indoxacarb, binary mixts. 175013-18-0D, Pyraclostrobin, binary mixts. 178928-70-6D, Prothioconazole, binary mixts. 183675-82-3D, Penthiopyrad, binary mixts. 185119-76-0D, Iodosulfuron, binary mixts. 188425-85-6D, Boscalid, binary mixts. 203313-25-1D, Spirotetramat, binary mixts. 210631-68-8D, Topramezone, binary mixts. 210880-92-5D, Clothianidin, binary mixts. 220899-03-6D, Metrafenone, binary mixts. 239110-15-7D, Fluopicolide, binary mixts. 248593-16-0D, Orysastrobin, binary mixts. 272451-65-7D, Flubendiamide, binary mixts. 372137-35-4D, Saflufenacil, binary mixts. 400852-66-6D, Mesosulfuron, binary mixts. 400882-07-7D, Cyflumetofen, binary mixts. 447399-55-5D, Pyroxasulfone, binary mixts. 494793-67-8D, binary mixts. 500008-45-7D, Chlorantraniliprole, binary mixts. 581809-46-3D, Bixafen, binary mixts. 599194-51-1D, binary mixts. 599197-38-3D, binary mixts. 683777-14-2D, binary mixts. 736994-63-1D, Cyazypyr, binary mixts. 865318-97-4D, binary mixts. 874967-67-6D, binary mixts. 881685-58-1D, Isopyrazam, binary mixts. 907204-31-3D, binary mixts. 907204-32-4D, binary mixts. 935545-74-7D, Spinetoram, binary mixts. 949575-92-2D, binary mixts.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (improving productivity of transgenic plants by use of  
**herbicides**, fungicides, or insecticides)

L15 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2006:39144 CAPLUS  
 DOCUMENT NUMBER: 144:287833  
 TITLE: Interaction of neonicotinoid seed treatments with  
 lenacil herbicide applied to sugar beet  
 AUTHOR(S): Dewar, A. M.; Haylock, L. A.; Garner, B. H.; May, M.  
 J.  
 CORPORATE SOURCE: Broom's Barn Research Station, Higham, Bury St.  
 Edmunds, Suffolk, IP28 6NP, UK  
 SOURCE: Congress Proceedings - BCPC International Congress:  
 Crop Science & Technology, Glasgow, United Kingdom,  
 Oct. 31-Nov. 2, 2005 (2005), Volume 2, 883-888.  
 British Crop Protection Council: Alton, UK.  
 CODEN: 69HSFT; ISBN: 1-901396-65-7  
 DOCUMENT TYPE: Conference  
 LANGUAGE: English  
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 2164-08-1, Venzar **79538-32-2**, Tefluthrin 138261-41-3,  
 Imidacloprid 153719-23-4, Thiamethoxam  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (interaction of neonicotinoid seed treatments with lenacil  
**herbicide** applied to sugar beet)

L15 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:523211 CAPLUS  
 DOCUMENT NUMBER: 143:39502  
 TITLE: Herbicidal combinations comprising a HPPD-inhibiting  
 herbicide and an insecticide  
 INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph;  
 Clemens, Christoppher Glen  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2546408	A1	20050616	CA 2004-2546408	20041103
EP 1703792	A1	20060927	EP 2004-797556	20041103
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
AR 47133	A1	20060111	AR 2004-104422	20041129
US 20080058212	A1	20080306	US 2007-580363	20070129
PRIORITY APPLN. INFO.:			US 2003-526053P	P 20031201
			US 2004-545302P	P 20040217
			WO 2004-EP12417	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 41219-31-2D, Dithicrofos, mixts. with HPPD-inhibiting herbicides  
 41219-32-3D, Thicrofos, mixts. with HPPD-inhibiting herbicides  
 42509-80-8D, Isazofos, mixts. with HPPD-inhibiting herbicides  
 42588-37-4D, Kinoprene, mixts. with HPPD-inhibiting herbicides  
 50864-67-0D, Barium polysulfide, mixts. with HPPD-inhibiting herbicides  
 51218-45-2D, Metolachlor, mixts. with HPPD-inhibiting herbicides and insecticides  
 51596-10-2D, Milbemectin, mixts. with HPPD-inhibiting herbicides  
 51630-58-1D, Fenvalerate, mixts. with HPPD-inhibiting herbicides  
 51877-74-8D, Biopermethrin, mixts. with HPPD-inhibiting herbicides  
 52207-48-4D, Thiosultapsodium, mixts. with HPPD-inhibiting herbicides  
 52315-07-8, Cypermethrin 52315-07-8D, Zetacypermethrin, mixts. with HPPD-inhibiting herbicides  
 52645-53-1, Permethrin  
 52918-63-5D, Deltamethrin, mixts. with HPPD-inhibiting herbicides  
 54406-48-3, Empenthrin 54593-83-8D, Chlorethoxyfos, mixts. with HPPD-inhibiting herbicides  
 55285-14-8D, Carbosulfan, mixts. with HPPD-inhibiting herbicides  
 57342-02-6D, Epofenonane, mixts. with HPPD-inhibiting herbicides  
 57960-19-7D, Acequinocyl, mixts. with HPPD-inhibiting herbicides  
 58769-20-3D, RU 15525, mixts. with HPPD-inhibiting herbicides  
 58842-20-9D, Nithiazine, mixts. with HPPD-inhibiting herbicides  
 59669-26-0D, Thiodicarb, mixts. with HPPD-inhibiting herbicides  
 60238-56-4D, Chlorthiophos, mixts. with HPPD-inhibiting herbicides  
 60589-06-2D, Metoxadiazone, mixts. with HPPD-inhibiting herbicides  
 61444-62-0D, Nifluridide, mixts. with HPPD-inhibiting herbicides  
 61949-77-7D, trans-Permethrin, mixts. with HPPD-inhibiting herbicides  
 63837-33-2D, Diofenolan, mixts. with HPPD-inhibiting herbicides  
 63935-38-6, Cycloprothrin 64628-44-0D, Triflumuron, mixts. with HPPD-inhibiting herbicides  
 65907-30-4D, Furathiocarb, mixts. with HPPD-inhibiting herbicides  
 66215-27-8D, Cyromazine, mixts. with HPPD-inhibiting herbicides  
 66230-04-4, Esfenvalerate 66841-25-6D, Tralomethrin, mixts. with HPPD-inhibiting herbicides  
 67375-30-8D, Alphacypermethrin, mixts. with HPPD-inhibiting herbicides  
 67485-29-4D, Hydramethylnon, mixts. with HPPD-inhibiting

herbicides 68085-85-8D, Cyhalothrin, mixts. with HPPD-inhibiting  
herbicides 68359-37-5D, Betacyfluthrin, mixts. with HPPD-inhibiting  
herbicides 68523-18-2D, Fenpirithrin, mixts. with HPPD-inhibiting  
herbicides 69327-76-0D, Buprofezin, mixts. with HPPD-inhibiting  
herbicides 69409-94-5D, Fluvalinate, mixts. with HPPD-inhibiting  
herbicides 69770-45-2D, Flumethrin, mixts. with HPPD-inhibiting  
herbicides 70124-77-5D, Flucythrinate, mixts. with HPPD-inhibiting  
herbicides 71422-67-8D, Chlorfluazuron, mixts. with HPPD-inhibiting  
herbicides 71697-59-1D, Thetacypermethrin, mixts. with HPPD-inhibiting  
herbicides 71751-41-2D, Abamectin, mixts. with HPPD-inhibiting  
herbicides 72490-01-8D, Fenoxycarb, mixts. with HPPD-inhibiting  
herbicides 72850-64-7D, Flurazole, mixts. with HPPD-inhibiting  
herbicides and insecticides 72963-72-5D, Imiprothrin, mixts. with  
HPPD-inhibiting herbicides 75867-00-4D, Fenfluthrin, mixts. with  
HPPD-inhibiting herbicides **79538-32-2D**, Tefluthrin, mixts.  
with HPPD-inhibiting **herbicides** 80060-09-9, Diafenthiuron  
82560-54-1D, Benfuracarb, mixts. with HPPD-inhibiting herbicides  
82657-04-3D, Bifenthrin, mixts. with HPPD-inhibiting herbicides  
83121-18-0D, Teflubenzuron, mixts. with HPPD-inhibiting herbicides  
83130-01-2D, Alanycarb, mixts. with HPPD-inhibiting herbicides  
83733-82-8, Fosmethilan 84466-05-7D, Amidoflumet, mixts. with  
HPPD-inhibiting herbicides 86479-06-3D, HExaflumuron, mixts. with  
HPPD-inhibiting herbicides 87392-12-9D, s-Metolachlor, mixts. with  
HPPD-inhibiting herbicides and insecticides 88349-88-6D, Cloquintocet,  
mixts. with HPPD-inhibiting herbicides and insecticides 88485-37-4D,  
Fluxofenim, mixts. with HPPD-inhibiting herbicides and insecticides  
89784-60-1D, Pyraclofos, mixts. with HPPD-inhibiting herbicides  
90338-20-8D, Butathiofos, mixts. with HPPD-inhibiting herbicides  
91465-08-6D, mixts. with HPPD-inhibiting herbicides 94125-34-5D,  
Prosulfuron, mixts. with HPPD-inhibiting herbicides and insecticides  
95465-99-9D, Cadusafos, mixts. with HPPD-inhibiting herbicides  
95737-68-1D, Pyriproxyfen, mixts. with HPPD-inhibiting herbicides  
96182-53-5D, Tebupirimfos, mixts. with HPPD-inhibiting herbicides  
96489-71-3D, Pyridaben, mixts. with HPPD-inhibiting herbicides  
98730-04-2D, Benoxacor, mixts. with HPPD-inhibiting herbicides and  
insecticides 98886-44-3D, Fosthiazate, mixts. with HPPD-inhibiting  
herbicides 101007-06-1D, Acrinathrin, mixts. with HPPD-inhibiting  
herbicides 102851-06-9D, Taufluvalinate, mixts. with HPPD-inhibiting  
herbicides 103055-07-8D, Lufenuron, mixts. with HPPD-inhibiting  
herbicides 105024-66-6D, Silafluofen, mixts. with HPPD-inhibiting  
herbicides 105779-78-0D, Pyrimidifen, mixts. with HPPD-inhibiting  
herbicides 107713-58-6D, Flufenprox, mixts. with HPPD-inhibiting  
herbicides 111988-49-9D, Thiacloprid, mixts. with HPPD-inhibiting  
herbicides 111991-09-4D, Nicosulfuron, mixts. with HPPD-inhibiting  
herbicides and insecticides 112143-82-5D, Triazamate, mixts. with  
HPPD-inhibiting herbicides 112226-61-6D, Halofenozide, mixts. with  
HPPD-inhibiting herbicides 112410-23-8D, Tebufenozide, mixts. with  
HPPD-inhibiting herbicides 112636-83-6D, Dicyclanil, mixts. with  
HPPD-inhibiting herbicides 113036-87-6D, Primisulfuron, mixts. with  
HPPD-inhibiting herbicides and insecticides 113036-88-7D, Flucycloxuron,  
mixts. with HPPD-inhibiting herbicides 114797-39-6D, Methothrin, mixts.  
with HPPD-inhibiting herbicides 116714-46-6D, Novaluron, mixts. with  
HPPD-inhibiting herbicides 118712-89-3D, Transfluthrin, mixts. with  
HPPD-inhibiting herbicides 119791-41-2D, Emamectin, mixts. with  
HPPD-inhibiting herbicides 120068-37-3D, Fipronil, mixts. with  
HPPD-inhibiting herbicides 121451-02-3, Noviflumuron 121776-33-8D,  
Furilazole, mixts. with HPPD-inhibiting herbicides and insecticides  
122453-73-0D, Chlorfenapyr, mixts. with HPPD-inhibiting herbicides  
122705-57-1D, mixts. with HPPD-inhibiting herbicides 122931-48-0D,  
Rimsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides  
123312-89-0D, Pymetrozine, mixts. with HPPD-inhibiting herbicides  
129558-76-5D, Tolfenpyrad, mixts. with HPPD-inhibiting herbicides

135410-20-7D, Acetamiprid, mixts. with HPPD-inhibiting herbicides  
 138261-41-3D, Imidacloprid, mixts. with HPPD-inhibiting herbicides  
 143807-66-3D, Chromafenozide, mixts. with HPPD-inhibiting herbicides  
 145099-21-4D, Trifloxysulfuron., mixts. with HPPD-inhibiting herbicides  
 and insecticides 148477-71-8D, Spirodiclofen, mixts. with  
 HPPD-inhibiting herbicides 149877-41-8D, Bifenazate, mixts. with  
 HPPD-inhibiting herbicides 150824-47-8D, Nitenpyram, mixts. with  
 HPPD-inhibiting herbicides 153233-91-1D, Etoxazole, mixts. with  
 HPPD-inhibiting herbicides 153719-23-4D, Thiamethoxam, mixts. with  
 HPPD-inhibiting herbicides 158062-67-0D, Flonicamid, mixts. with  
 HPPD-inhibiting herbicides 160791-64-0D, ZXI 8901., mixts. with  
 HPPD-inhibiting herbicides 161050-58-4D, MEthoxyfenozide, mixts. with  
 HPPD-inhibiting herbicides 163515-14-8D, Dimethenamid P, mixts. with  
 HPPD-inhibiting herbicides and insecticides 165252-70-0D, Dinotefuran,  
 mixts. with HPPD-inhibiting herbicides 170015-32-4D, Flufenimer, mixts.  
 with HPPD-inhibiting herbicides 173159-57-4D, Foramsulfuron, mixts. with  
 HPPD-inhibiting herbicides and insecticides 173584-44-6D, Indoxacarb,  
 mixts. with HPPD-inhibiting herbicides 179101-81-6D, Pyridalyl, mixts.  
 with HPPD-inhibiting herbicides 181587-01-9D, Ethiprole, mixts. with  
 HPPD-inhibiting herbicides 201593-84-2D, Bistrifluron, mixts. with  
 HPPD-inhibiting herbicides 209861-58-5D, Acetoprole, mixts. with  
 HPPD-inhibiting herbicides 209866-92-2D, Isoxadifen, mixts. with  
 HPPD-inhibiting herbicides and insecticides 210880-92-5D, Clothianidin,  
 mixts. with HPPD-inhibiting herbicides 229977-93-9D, Fluacrypyrim,  
 mixts. with HPPD-inhibiting herbicides 231937-89-6D, mixts. with  
 HPPD-inhibiting herbicides 283594-90-1D, Spiromesifen, mixts. with  
 HPPD-inhibiting herbicides 500790-39-6D, mixts. with HPPD-inhibiting  
 herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicidal combinations)

L15 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:210355 CAPLUS

DOCUMENT NUMBER: 136:381730

TITLE: Selecting the right compounds for screening: use of  
 surface-area parameters

AUTHOR(S): Tice, Colin M.

CORPORATE SOURCE: Rohm and Haas Co, Spring House, PA, 19477-0949, USA

SOURCE: Pest Management Science (2002), 58(3), 219-233

CODEN: PMSCF; ISSN: 1526-498X

PUBLISHER: John Wiley & Sons Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS  
 RECORD (13 CITINGS)

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 34643-46-4, Prothiofos 34681-10-2, Butocarboxim 35256-85-0, Butam  
 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 35575-96-3,  
 Azamethiphos 35597-43-4, Bialaphos 36335-67-8, Butamifos 36614-38-7,  
 Isothioate 36756-79-3, Tiocarbazil 38260-54-7, Etrimfos 38727-55-8,  
 Diethatyl-ethyl 39196-18-4, Thiofanox 39300-45-3, Dinocap  
 39515-40-7, Cyphenothrin 39515-41-8, Fenpropathrin 39985-63-2,  
 Chlorphthalim 40487-42-1, Pendimethalin 40596-69-8, Methoprene  
 41096-46-2, Hydroprene 41198-08-7, Profenofos 41295-28-7,  
 Methoxyphenone 42509-80-8, Isazophos 42588-37-4, Kinoprene  
 42609-52-9, Dymron 42609-73-4, Methylodymron 50512-35-1 50594-66-6,  
 Acifluorfen 51218-45-2, METOLACHLOR 51218-49-6, Pretilachlor  
 51276-47-2, Glufosinate 51338-27-3, Diclofop-methyl 51487-69-5,  
 Cloethocarb 51630-58-1, Fenvalerate 52315-07-8, Cypermethrin  
 52570-16-8, Naproanilide 52645-53-1, Permethrin 52756-25-9,  
 Flamprop-methyl 52888-80-9, Prosulfocarb 52918-63-5, Deltamethrin



54593-83-8, Chlorethoxyfos 55283-68-6, Ethalfluralin 55285-14-8, Carbosulfan 55335-06-3, Triclopyr 55512-33-9, Pyridate 55634-91-8, Alloxymid 58011-68-0, Pyrazolate 59669-26-0, Thiodicarb 59682-52-9, Fosamine 59756-60-4, Fluridone 61213-25-0, Flurochloridone 62850-32-2, Fenothiocarb 63782-90-1, Flamprop-M-isopropyl 63935-38-6, Cycloprothrin 64249-01-0, Anilofos 64628-44-0, Triflumuron 65907-30-4, Furathiocarb 66215-27-8, Cyromazine 66441-23-4, Fenoxaprop-ethyl 66841-25-6, Tralomethrin 67129-08-2, Metazachlor 68085-85-8, Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 69335-91-7, Fluazifop 69377-81-7, Fluroxypyr 69806-40-2, Haloxypyr-methyl 69806-50-4, Fluazifop-butyl 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 73250-68-7, Mefenacet 74051-80-2, Sethoxydim 74070-46-5, Aclonifen 74115-24-5, Clofentezine 76578-12-6, Quizalofop 77501-63-4, Lactofen 77501-90-7, Fluoroglycofen-ethyl 78587-05-0, Hexythiazox 79277-27-3, Thifensulfuron methyl **79538-32-2**, Tefluthrin 80060-09-9, Diafenthiuron 80844-01-5, Chloproxyfen 80844-07-1, Etofenprox 81335-77-5, Imazethapyr 81405-85-8, Imazamethabenz-methyl 81777-89-1, Clomazone 82558-50-7, Isoxaben 82560-54-1, Benfuracarb 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 83130-01-2, Alanycarb 83164-33-4, Diflufenican 85785-20-2, Esprocarb 85830-77-9, Triazofenamide 86209-51-0, Primisulfuron-methyl 86763-47-5, Propisochlor 87310-56-3, Butenachlor 87546-18-7, Flumiclorac-pentyl 87674-68-8, Dimethenamid 87757-18-4, Isoxapyrifop 87818-31-3, Cinmethylin 87820-88-0, Tralkoxydim 89784-60-1, Pyraclofos 90982-32-4, Chlorimuron-ethyl 94593-91-6, Cinosulfuron 95465-99-9, Cadusafos 95617-09-7, Fenoxaprop 95737-68-1, Pyriproxyfen 96182-53-5, Tebupirimphos 96489-71-3, Pyridaben 96491-05-3, Thenylchlor 96525-23-4, Flurtamone 97780-06-8 97886-45-8, Dithiopyr 98886-44-3, Fosthiazate 99105-77-8, Sulcotrione 99129-21-2, Clethodim 100646-51-3 101007-06-1, Acrinathrin 101200-48-0, Tribenuron-methyl 101205-02-1 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 104040-78-0, Flazasulfuron 104098-48-8, Imazapic 104770-29-8, NC-330 105024-66-6, Silafluofen 107360-34-9, NC-170 107713-58-6, Flufenprox 109293-97-2, Diflufenzopyr 111479-05-1, Propaquizafop 111578-32-6, Metobenzuron 111872-58-3, Halfenprox 111991-09-4, Nicosulfuron 112143-82-5, Triazamate 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 112636-83-6, Dicyclanil 113036-88-7, Flucycloxuron 114311-32-9, Imazamox 114420-56-3, Clodinafop 117337-19-6, Fluthiacet-methyl 117718-60-2, Thiazopyr 119126-15-7, Flupoxam 119168-77-3, Tebufenpyrad 119738-06-6 120068-37-3, Fipronil 120162-55-2, Azimsulfuron 122008-85-9, Cyhalofop-butyl 122453-73-0, Chlorfenapyr 122836-35-5, Sulfentrazone 122931-48-0, RIMSULFURON 123249-43-4, Thidiazimin 123312-89-0, Pymetrozine 125401-75-4, Bispyribac 126535-15-7, Triflusaluron-methyl 128639-02-1, Carfentrazone-ethyl 129630-19-9, Pyraflufen-ethyl 131086-42-5, Ethoxyfen-ethyl 131929-63-0, Spinosyn D 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138164-12-2, Butoxydim 138261-41-3, Imidacloprid 141776-32-1, Sulfosulfuron 142459-58-3, Flufenacet 144651-06-9, Oxasulfuron 144740-53-4, Flupyrsulfuron-methyl 147838-04-8, XR-100 149877-41-8, Bifenazate 150824-47-8, Nitenpyram 153233-91-1, Etoxazole 160791-64-0, Flubrocyclothrinate 161050-58-4, Methoxyfenozide 168088-61-7, Pyribenzoxim 173584-44-6, Indoxacarb

RL: AGR (Agricultural use); PRP (Properties); BIOL (Biological study); USES (Uses)

(use of surface-area parameters for agrochem. screening of **herbicides** and insecticides)

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ACCESSION NUMBER: 2009:1534245 CAPLUS  
 DOCUMENT NUMBER: 152:232468  
 TITLE: Screening Rules for Leads of Fungicides, Herbicides, and Insecticides  
 AUTHOR(S): Liu, Bin; Zhu, Fucheng; Huang, Ying; Wang, Yuhui; Yu, Fei; Fan, Botao; Yao, Jianhua  
 CORPORATE SOURCE: Shanghai Inst. Org. CHem., Chin. Acad. Sci., Shanghai, Peop. Rep. China  
 SOURCE: Journal of Agricultural and Food Chemistry (2010), 58(5), 2673-2684  
 CODEN: JAFCAU; ISSN: 0021-8561  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50-29-3, DDT, biological studies 54-11-5, Nicotine 56-72-4, Coumaphos 58-89-9, Gamma-benzene hexachloride 60-57-1, Dieldrin 61-82-5, Amitrole 62-59-9, Cevadine 62-73-7, Dichlorvos 72-43-5, Methoxychlor 72-56-0, 1,1-Dichloro-2,2-bis(4-ethylphenyl)ethane 74-90-8, Hydrogen cyanide, biological studies 75-15-0, Carbon disulfide, biological studies 76-06-2, Chloropicrin 76-44-8, Heptachlor 79-11-8, Chloroacetic acid, biological studies 82-68-8, Quintozene 83-28-3, 2-Isovalerylindan-1,3-dione 85-00-7, Diquat dibromide 85-34-7, Chlorfenac 86-50-0, Azinphos-methyl 87-17-2, Salicylanilide 87-47-8, 3-Methyl-1-phenylpyrazol-5-yl dimethylcarbamate 91-53-2, Ethoxyquin 92-52-4, Biphenyl, biological studies 93-75-4, Thioquinox 93-76-5, 2,4,5-T 93-80-1, 2,4,5-TB 94-09-7, Benzocaine 94-11-1, 2,4-D Isopropyl ester 94-74-6, MCPA 94-75-7, 2,4-D, biological studies 94-80-4, 2,4-D Butyl ester 94-84-8, 2,4-DEP 94-96-2, Ethohexadiol 95-19-2 97-59-6, Allantoin 98-54-4, 4-tert-Butylphenol 99-30-9, Dicloran 100-02-7, 4-Nitrophenol, biological studies 101-05-3, Anilazine 104-61-0 105-67-9, 2,4-Dimethylphenol 107-04-0, 1-Bromo-2-chloroethane 107-13-1, Acrylonitrile, biological studies 108-25-8, Proxan 108-34-9 111-30-8, Glutaraldehyde 111-44-4 112-56-1, 2-(2-Butoxyethoxy)ethyl thiocyanate 115-26-4, Dimefox 116-01-8, Ethoate-methyl 116-06-3, Aldicarb 117-80-6, Dichlone 118-74-1, Hexachlorobenzene 120-62-7, Sulfoxide 122-10-1, Bomy 122-14-5, Fenitrothion 122-15-6 122-34-9, Simazine 122-39-4, Diphenylamine, biological studies 122-42-9, Protham 124-25-4, Tetradecanal 126-22-7, Butonate 126-75-0, Demeton-S 132-66-1, Naphthalam 133-06-2, Captan 134-62-3, DEET 135-19-3, 2-Naphthol, biological studies 135-77-3, 1,2,4-Trimethoxybenzene 137-26-8, Thiram 140-56-7, Fenaminosulf 141-66-2, Dicrotophos 143-50-0, Chlordecone 144-41-2, Morphothion 148-79-8, Thiabendazole 297-99-4, trans-Phosphamidon 298-03-3, Demeton-O 301-11-1, 2-Thiocyanatoethyl laurate 309-00-2, HHDN 311-47-7, 2-Chlorovinyl diethyl phosphate 314-42-1, Isocil 330-54-1, Diuron 333-41-5, Diazinon 404-86-4 470-90-6, Chlorfenvinphos 485-31-4, Binapacryl 494-52-0, Anabasine 495-48-7, Fenazox 500-28-7 502-55-6, EXD 520-45-6 563-12-2, Ethion 572-48-5, Coumithoate 584-79-2, Bioallethrin 594-72-9, 1,1-Dichloro-1-nitroethane 607-12-5 671-04-5, Carbanolate 684-16-2, 1,1,1,3,3,3-Hexafluoro-2-propanone 731-27-1, Tolyfluanid 759-94-4, EPTC 786-19-6, Carbophenothion 886-50-0, Terbutryn 919-76-6, Amidithion 963-22-4, Sultropen 973-21-7, Dinobuton 1014-70-6, Simetryn 1085-98-9, Dichlofluanid 1121-31-9 1193-18-6 1194-65-6, Dichlobenil 1446-61-3, Dehydroabietylamine 1468-37-7, Dimexan 1563-38-8, Carbofuran phenol 1563-66-2, Carbofuran 1563-67-3, Decarbofuran 1646-88-4, Aldoxycarb 1689-84-5, Bromoxynil 1704-28-5, Falimorph 1746-81-2, Monolinuron 1861-40-1, Benfluralin 1891-95-8,

Chloroxynil 1897-45-6, Chlorothalonil 1912-24-9, Atrazine 1912-26-1, Trietazine 1918-00-9, Dicamba 1918-11-2, Terbutcarb 1918-13-4, Chlorthiamid 1918-16-7, Propachlor 1929-73-3, 2,4-D Butoxyethyl ester 1966-58-1, Dichlormate 1970-40-7, Pyriclor 1982-47-4, Chloroxuron 2032-59-9, Aminocarb 2164-17-2, Fluometuron 2212-67-1, Molinate 2275-14-1, Phenkapton 2303-16-4, Di-allate 2303-17-5, Tri-allate 2307-49-5, Tricamba 2307-68-8, Pentanochlor 2425-06-1 2439-10-3, Dodine 2463-84-5, Dicapthon 2465-59-0, Oxypurinol 2536-31-4, Chlorflurenol-methyl 2550-75-6, Chlorbicyclen 2593-15-9, Etridiazole 2595-54-2, Mecarbam 2597-03-7, Phenthoate 2634-33-5, 1,2-Benzisothiazol-3(2H)-one 2636-26-2, Cyanophos 2642-71-9, Azinphos-ethyl 2668-92-0 2675-77-6, Chloroneb 2698-40-0, MCPA, isopropyl ester 2813-95-8, Dinoseb acetate 2921-88-2, Chlorpyrifos 2941-55-1, Ethiolate 3042-84-0, Brompyrazon 3050-27-9, Trimeturon 3134-12-1, Phenobenzuron 3134-70-1, Isopolinate 3337-71-1, Asulam 3391-86-4, 3-Hydroxy-1-octene 3478-94-2, Piperalin 3563-34-6 3734-95-0, Cyanthoate 3737-00-6, 3-Bromo-1-chloroprop-1-ene 3766-81-2, Fenobucarb 3773-49-7, Milneb 3813-05-6, Benazolin 3878-19-1, Fuberidazole 4029-02-1, Diethamquat dichloride 4097-36-3, Dinosam 4147-51-7, Dipropetryn 4151-50-2, Sulfluramid 4412-09-3, Mucochloric anhydride 4636-83-3, Morfamquat dichloride 4638-48-6, 5-Chlorosalicylanilide 4824-78-6, Bromophos-ethyl 4849-32-5, Karbutilate 5131-24-8, Ditalimfos 5259-88-1, Oxycarboxin 5335-24-0 **5598-13-0**, Chlorpyrifos-methyl 5707-69-7, Drazoxolon 5707-73-3, Metazoxolone 5748-22-1, Trimedlure-A 5825-79-6, 2-(4-Chloro-3,5-xylyloxy)ethanol 5825-87-6, 2-(m-Chlorophenoxy)-propionamide 5827-05-4, IPSP 5834-94-6, Azithiram 5834-96-8, Azothoate 5836-23-7, Tecoram 6392-46-7, Allyxycarb 6616-80-4, Eglinazine-ethyl 6753-24-8, 2,4-DB butyl ester 6903-26-0 6903-29-3 6923-22-4, Monocrotophos 6980-18-3, Kasugamycin 7055-03-0, Mebenil 7076-53-1 7122-04-5, 2-(4,5-Dimethyl-1,3-dioxolan-2-yl)phenyl methylcarbamate 7287-19-6, Prometryn 7558-79-4, DSP 7681-93-8, Natamycin 8065-36-9, Bufencarb 10004-44-1, Hymexazol 10311-84-9, Dialifos 10552-74-6, Nitrothal-isopropyl 11100-15-5, BR (fungicide) 11141-17-6, Azadirachtin 12068-08-5, Benzamorf 12789-03-6, Chlordane 13067-93-1, Cyanofenphos 13108-52-6 13265-60-6, DAEP 13347-42-7, 4-Chloro-2-cyclopentylphenol 13360-45-7, Chlorbromuron 13516-27-3, Iminoctadine 13577-71-4, Fluoromidine 13684-44-1, Phenmedipham-ethyl 13738-63-1, Fluoronitrofen 13952-84-6, 2-Butanamine 14437-20-8, Chlorfenprop 14491-59-9, Credazine 14816-20-7, Chlorphoxim 15263-53-3, Cartap 15310-01-7, Benodanil 15545-48-9, Chlorotoluron 16118-49-3, Carbetamide 16227-10-4, Triazbutil 19019-40-0 19378-58-6, Thiochlorfenphim 19622-19-6, Prothiocarb

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study)

(screening rules for leads of fungicides, **herbicides**, and insecticides)

L12 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:523211 CAPLUS

DOCUMENT NUMBER: 143:39502

TITLE: Herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide

INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph; Clemens, Christoplhier Glen

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2546408	A1	20050616	CA 2004-2546408	20041103
EP 1703792	A1	20060927	EP 2004-797556	20041103
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
AR 47133	A1	20060111	AR 2004-104422	20041129
US 20080058212	A1	20080306	US 2007-580363	20070129
PRIORITY APPLN. INFO.:			US 2003-526053P	P 20031201
			US 2004-545302P	P 20040217
			WO 2004-EP12417	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50-29-3D, mixts. with HPPD-inhibiting herbicides 52-68-6D, mixts. with HPPD-inhibiting herbicides 54-11-5D, Nicotine, mixts. with HPPD-inhibiting herbicides 55-38-9D, Fenthion, mixts. with HPPD-inhibiting herbicides 56-23-5D, Carbon tetrachloride, mixts. with HPPD-inhibiting herbicides 56-38-2D, Parathion, mixts. with HPPD-inhibiting herbicides 56-72-4D, Coumaphos, mixts. with HPPD-inhibiting herbicides 58-89-9D, GammaHCH, mixts. with HPPD-inhibiting herbicides 60-51-5D, Dimethoate, mixts. with HPPD-inhibiting herbicides 60-57-1D, Dieldrin, mixts. with HPPD-inhibiting herbicides 62-73-7D, Dichlorovos, mixts. with HPPD-inhibiting herbicides 63-25-2D, Carbaryl, mixts. with HPPD-inhibiting herbicides 70-38-2D, Dimethrin, mixts. with HPPD-inhibiting herbicides 72-43-5D, Methoxychlor, mixts. with HPPD-inhibiting herbicides 72-54-8D, TDE, mixts. with HPPD-inhibiting herbicides 74-83-9D, Methyl bromide, mixts. with HPPD-inhibiting herbicides 74-90-8D, Hydrogen cyanide, mixts. with HPPD-inhibiting herbicides 75-15-0D, Carbon disulfide, mixts. with HPPD-inhibiting herbicides 76-06-2D, Chloropicrin, mixts. with HPPD-inhibiting herbicides 76-44-8D, Heptachlor, mixts. with HPPD-inhibiting herbicides 78-34-2D, Dioxathion, mixts. with HPPD-inhibiting herbicides 78-53-5D, Amiton, mixts. with HPPD-inhibiting herbicides 78-57-9D, Menazon, mixts. with HPPD-inhibiting herbicides 83-79-4D, Rotenone, mixts. with HPPD-inhibiting herbicides 86-50-0D, Azinphosmethyl, mixts. with HPPD-inhibiting herbicides 87-86-5D, Pentachlorophenol, mixts. with HPPD-inhibiting herbicides 97-17-6D, Dichlofenthion, mixts. with HPPD-inhibiting herbicides 106-93-4D, Ethylene dibromide, mixts. with HPPD-inhibiting herbicides 107-06-2D, Ethylene dichloride, mixts. with HPPD-inhibiting herbicides 107-13-1D, Acrylonitrile, mixts. with HPPD-inhibiting herbicides 107-49-3D, TEPP, mixts. with HPPD-inhibiting herbicides 112-80-1D, Oleic acid, mixts. with HPPD-inhibiting herbicides 114-26-1D, Propoxur, mixts. with HPPD-inhibiting herbicides 115-26-4D, Dimefox, mixts. with HPPD-inhibiting herbicides 115-29-7D, Endosulfan, mixts. with HPPD-inhibiting herbicides 115-90-2D, Fensulfothion, mixts. with HPPD-inhibiting herbicides 116-01-8D, Ethoatemethyl, mixts. with

HPPD-inhibiting herbicides 116-06-3D, Aldicarb, mixts. with  
HPPD-inhibiting herbicides 119-12-0D, Pyridaphenthion, mixts. with  
HPPD-inhibiting herbicides 121-75-5D, Malathion, mixts. with  
HPPD-inhibiting herbicides 122-14-5D, Fenitrothion, mixts. with  
HPPD-inhibiting herbicides 126-22-7D, Butonate, mixts. with  
HPPD-inhibiting herbicides 126-75-0D, Demeton-S, mixts. with  
HPPD-inhibiting herbicides 131-89-5D, Dinex, mixts. with HPPD-inhibiting  
herbicides 141-66-2D, Dicrotophos, mixts. with HPPD-inhibiting  
herbicides 143-50-0D, mixts. with HPPD-inhibiting herbicides  
144-41-2D, Morphothion, mixts. with HPPD-inhibiting herbicides 144-54-7,  
Metam 152-16-9D, Schradan, mixts. with HPPD-inhibiting herbicides  
297-78-9D, Isobenzan, mixts. with HPPD-inhibiting herbicides 298-00-0D,  
Parathion-methyl, mixts. with HPPD-inhibiting herbicides 298-02-2D,  
Phorate, mixts. with HPPD-inhibiting herbicides 298-03-3D, Demeton-O,  
mixts. with HPPD-inhibiting herbicides 298-04-4D, Disulfoton, mixts.  
with HPPD-inhibiting herbicides 299-86-5D, Crufomate, mixts. with  
HPPD-inhibiting herbicides 300-76-5D, Naled, mixts. with HPPD-inhibiting  
herbicides 301-12-2D, Oxydemetonmethyl, mixts. with HPPD-inhibiting  
herbicides 309-00-2D, Aldrin, mixts. with HPPD-inhibiting herbicides  
315-18-4D, Mexacarbate, mixts. with HPPD-inhibiting herbicides  
327-98-0D, Trichloronat, mixts. with HPPD-inhibiting herbicides  
333-41-5D, mixts. with HPPD-inhibiting herbicides 370-50-3D, Flucufuron,  
mixts. with HPPD-inhibiting herbicides 371-86-8D, Mipafos, mixts. with  
HPPD-inhibiting herbicides 465-73-6D, Isodrin, mixts. with  
HPPD-inhibiting herbicides 470-90-6D, mixts. with HPPD-inhibiting  
herbicides 494-52-0D, Anabasine, mixts. with HPPD-inhibiting herbicides  
533-74-4D, Dazomet, mixts. with HPPD-inhibiting herbicides 534-52-1D,  
DNOC, mixts. with HPPD-inhibiting herbicides 556-61-6D, Methyl  
isothiocyanate, mixts. with HPPD-inhibiting herbicides 563-12-2D,  
Ethion, mixts. with HPPD-inhibiting herbicides 572-48-5D, Coumthoate,  
mixts. with HPPD-inhibiting herbicides 584-79-2D, Bioallethrin, mixts.  
with HPPD-inhibiting herbicides 640-15-3D, Thiometon, mixts. with  
HPPD-inhibiting herbicides 644-64-4D, Dimetilan, mixts. with  
HPPD-inhibiting herbicides 671-04-5D, Carbanolate, mixts. with  
HPPD-inhibiting herbicides 682-80-4D, Demephion-O, mixts. with  
HPPD-inhibiting herbicides 732-11-6D, Phosmet, mixts. with  
HPPD-inhibiting herbicides 786-19-6D, Carbophenothion, mixts. with  
HPPD-inhibiting herbicides 867-27-6D, Demeton-O-methyl, mixts. with  
HPPD-inhibiting herbicides 919-76-6D, Amidithion, mixts. with  
HPPD-inhibiting herbicides 919-86-8D, ,Demeton-S-methyl, mixts. with  
HPPD-inhibiting herbicides 944-22-9D, Fonofos, mixts. with  
HPPD-inhibiting herbicides 947-02-4D, Phosfolan, mixts. with  
HPPD-inhibiting herbicides 950-10-7D, Mephosfolan, mixts. with  
HPPD-inhibiting herbicides 950-37-8D, Methidathion, mixts. with  
HPPD-inhibiting herbicides 1071-83-6D, Glyphosate, mixts. with  
HPPD-inhibiting herbicides and insecticides 1113-02-6D, Omethoate,  
mixts. with HPPD-inhibiting herbicides 1129-41-5D, Metolcarb, mixts.  
with HPPD-inhibiting herbicides 1303-96-4D, Borax, mixts. with  
HPPD-inhibiting herbicides 1344-81-6D, Calcium polysulfide, mixts. with  
HPPD-inhibiting herbicides 1563-66-2D, Carbofuran, mixts. with  
HPPD-inhibiting herbicides 1563-67-3D, Decarbofuran, mixts. with  
HPPD-inhibiting herbicides 1646-88-4D, Aldoxycarb, mixts. with  
HPPD-inhibiting herbicides 1912-24-9D, Atrazine, mixts. with  
HPPD-inhibiting herbicides and insecticides 1918-00-9D, Dicamba, mixts.  
with HPPD-inhibiting herbicides and insecticides 2032-59-9D, Aminocarb,  
mixts. with HPPD-inhibiting herbicides 2032-65-7D, Methiocarb, mixts.  
with HPPD-inhibiting herbicides 2104-64-5D, EPN, mixts. with  
HPPD-inhibiting herbicides 2104-96-3D, Bromophos, mixts. with  
HPPD-inhibiting herbicides 2274-67-1D, Dimethylvinphos, mixts. with  
HPPD-inhibiting herbicides 2275-14-1D, Phenkapton, mixts. with  
HPPD-inhibiting herbicides 2275-18-5D, Prothoate, mixts. with  
HPPD-inhibiting herbicides 2275-23-2D, Vamidothion, mixts. with

HPPD-inhibiting herbicides 2310-17-0D, Phosalone, mixts. with  
 HPPD-inhibiting herbicides 2385-85-5D, Mirex, mixts. with  
 HPPD-inhibiting herbicides 2425-10-7D, Xylylcarb, mixts. with  
 HPPD-inhibiting herbicides 2463-84-5D, Dicapthon, mixts. with  
 HPPD-inhibiting herbicides 2497-07-6D, Oxydisulfoton, mixts. with  
 HPPD-inhibiting herbicides 2540-82-1D, Formothion, mixts. with  
 HPPD-inhibiting herbicides 2550-75-6D, Chlorbicyclen, mixts. with  
 HPPD-inhibiting herbicides 2587-90-8D, Demephion-S, mixts. with  
 HPPD-inhibiting herbicides 2595-54-2D, Mecarbam, mixts. with  
 HPPD-inhibiting herbicides 2597-03-7D, Phenthoate, mixts. with  
 HPPD-inhibiting herbicides 2631-37-0D, Promecarb, mixts. with  
 HPPD-inhibiting herbicides 2631-40-5D, Isoproc carb, mixts. with  
 HPPD-inhibiting herbicides 2636-26-2D, Cyanophos, mixts. with  
 HPPD-inhibiting herbicides 2642-71-9D, Azinphosethyl, mixts. with  
 HPPD-inhibiting herbicides 2655-14-3D, XMC, mixts. with HPPD-inhibiting  
 herbicides 2655-19-8D, Butacarb, mixts. with HPPD-inhibiting herbicides  
 2669-32-1D, Lythidathion, mixts. with HPPD-inhibiting herbicides  
 2674-91-1D, Oxydeprofos, mixts. with HPPD-inhibiting herbicides  
 2699-79-8D, Sulfuryl fluoride, mixts. with HPPD-inhibiting herbicides  
 2778-04-3D, Endothion, mixts. with HPPD-inhibiting herbicides  
 2921-88-2D, ,Chloropyrifos, mixts. with HPPD-inhibiting herbicides  
 3383-96-8D, Temephos, mixts. with HPPD-inhibiting herbicides 3689-24-5D,  
 Sulfotep, mixts. with HPPD-inhibiting herbicides 3734-95-0D, Cyanthoate,  
 mixts. with HPPD-inhibiting herbicides 3761-41-9D, Mesulfenfos, mixts.  
 with HPPD-inhibiting herbicides 3766-81-2D, Fenobucarb, mixts. with  
 HPPD-inhibiting herbicides 3811-49-2D, Dioxabenzofos, mixts. with  
 HPPD-inhibiting herbicides 4151-50-2D, Sulfluramid, mixts. with  
 HPPD-inhibiting herbicides 4234-79-1D, Kelevan, mixts. with  
 HPPD-inhibiting herbicides 4824-78-6D, Bromophosethyl, mixts. with  
 HPPD-inhibiting herbicides 5221-49-8D, Pyrimitate, mixts. with  
 HPPD-inhibiting herbicides **5598-13-0D**, mixts. with  
 HPPD-inhibiting herbicides 5598-52-7D, Fospirate, mixts. with  
 HPPD-inhibiting herbicides 5826-76-6D, Phosnichlor, mixts. with  
 HPPD-inhibiting herbicides 5827-05-4D, IPSP, mixts. with HPPD-inhibiting  
 herbicides 5834-96-8D, Azothoate, mixts. with HPPD-inhibiting herbicides  
 5915-41-3D, Terbutylazine, mixts. with HPPD-inhibiting herbicides and  
 insecticides 6164-98-3D, Chlordimeform, mixts. with HPPD-inhibiting  
 herbicides 6392-46-7D, Allyxycarb, mixts. with HPPD-inhibiting  
 herbicides 6923-22-4D, Monocrotophos, mixts. with HPPD-inhibiting  
 herbicides 6988-21-2D, Dioxacarb, mixts. with HPPD-inhibiting herbicides  
 7219-78-5D, Mazidox, mixts. with HPPD-inhibiting herbicides 7292-16-2D,  
 PROpaphos, mixts. with HPPD-inhibiting herbicides 7345-69-9D, GY-81,  
 mixts. with HPPD-inhibiting herbicides 7681-49-4D, ,Sodium fluoride,  
 mixts. with HPPD-inhibiting herbicides 7700-17-6D, Crotoxyphos, mixts.  
 with HPPD-inhibiting herbicides 7786-34-7D, Mevinphos, mixts. with  
 HPPD-inhibiting herbicides 7803-51-2D, Phosphine, mixts. with  
 HPPD-inhibiting herbicides 8001-35-2D, Camphechlor, mixts. with  
 HPPD-inhibiting herbicides 8022-00-2D, Demetonmethyl, mixts. with  
 HPPD-inhibiting herbicides 8065-36-9D, Bufencarb, mixts. with  
 HPPD-inhibiting herbicides 8065-48-3D, Demeton, mixts. with  
 HPPD-inhibiting herbicides 8065-62-1, Demephion 10112-91-1D, Mercurous  
 chloride, mixts. with HPPD-inhibiting herbicides 10265-92-6D,  
 Methamidophos, mixts. with HPPD-inhibiting herbicides 10311-84-9D,  
 Dialifos, mixts. with HPPD-inhibiting herbicides 10453-86-8D,  
 Resmethrin, mixts. with HPPD-inhibiting herbicides 11141-17-6D,  
 Azadirachtin, mixts. with HPPD-inhibiting herbicides 12407-86-2D,  
 Trimethacarb, mixts. with HPPD-inhibiting herbicides 12789-03-6D,  
 Chlordane, mixts. with HPPD-inhibiting herbicides 13067-93-1D,  
 Cyanofenphos, mixts. with HPPD-inhibiting herbicides 13171-21-6D,  
 Phosphamidon, mixts. with HPPD-inhibiting herbicides 13194-48-4D,  
 Ethoprophos, mixts. with HPPD-inhibiting herbicides 13457-18-6D,  
 Pyrazophos, mixts. with HPPD-inhibiting herbicides 13593-03-8D,

Quinalphos, mixts. with HPPD-inhibiting herbicides 13593-08-3D,  
 Quinalphosmethyl, mixts. with HPPD-inhibiting herbicides 14816-16-1D,  
 Phoximmethyl,., mixts. with HPPD-inhibiting herbicides 14816-18-3D,  
 Phoxim, mixts. with HPPD-inhibiting herbicides 14816-20-7D, mixts. with  
 HPPD-inhibiting herbicides 15096-52-3D, Cryolite, mixts. with  
 HPPD-inhibiting herbicides 15263-53-3D, Cartap, mixts. with  
 HPPD-inhibiting herbicides 15589-31-8D, Terallethrin, mixts. with  
 HPPD-inhibiting herbicides 16752-77-5D, Methomyl, mixts. with  
 HPPD-inhibiting herbicides 16893-85-9D, Sodium hexafluorosilicate,  
 mixts. with HPPD-inhibiting herbicides 17040-19-6D, mixts. with  
 HPPD-inhibiting herbicides 17080-02-3D, Furethrin, mixts. with  
 HPPD-inhibiting herbicides 17606-31-4D, Bensultap, mixts. with  
 HPPD-inhibiting herbicides 18181-70-9D, Jodfenphos, mixts. with  
 HPPD-inhibiting herbicides 18809-57-9, EMPC 18854-01-8D, Isoxathion,  
 mixts. with HPPD-inhibiting herbicides 19691-80-6D, Athidathion, mixts.  
 with HPPD-inhibiting herbicides 20425-39-2D, Pyresmethrin, mixts. with  
 HPPD-inhibiting herbicides 21548-32-3D, Fosthietan, mixts. with  
 HPPD-inhibiting herbicides 22259-30-9D, Formetanate, mixts. with  
 HPPD-inhibiting herbicides 22439-40-3D, Quinothion, mixts. with  
 HPPD-inhibiting herbicides 22781-23-3D, Bendiocarb, mixts. with  
 HPPD-inhibiting herbicides 23031-36-9, Prallethrin 23103-98-2D,  
 Pirimicarb, mixts. with HPPD-inhibiting herbicides 23135-22-0D, Oxamyl,  
 mixts. with HPPD-inhibiting herbicides 23505-41-1D, Pirimiphosethyl,  
 mixts. with HPPD-inhibiting herbicides 23560-59-0D, ,Heptenophos, mixts.  
 with HPPD-inhibiting herbicides 24017-47-8D, Triazofos, mixts. with  
 HPPD-inhibiting herbicides 24353-61-5D, mixts. with HPPD-inhibiting  
 herbicides 24934-91-6D, mixts. with HPPD-inhibiting herbicides  
 25171-63-5D, Thiocarboxime, mixts. with HPPD-inhibiting herbicides  
 25311-71-1D, Isofenphos, mixts. with HPPD-inhibiting herbicides  
 25601-84-7D, Methocrotophos, mixts. with HPPD-inhibiting herbicides  
 26002-80-2D, Phenothrin, mixts. with HPPD-inhibiting herbicides  
 28434-00-6D, S-Bioallethrin, mixts. with HPPD-inhibiting herbicides  
 28434-01-7D, Bioresmethrin, mixts. with HPPD-inhibiting herbicides  
 29104-30-1D, Benzoximate, mixts. with HPPD-inhibiting herbicides  
 29173-31-7D, Mecarphon, mixts. with HPPD-inhibiting herbicides  
 29232-93-7D, Pirimiphosmethyl, mixts. with HPPD-inhibiting herbicides  
 29672-19-3D, Nitrilacarb, mixts. with HPPD-inhibiting herbicides  
 29973-13-5D, Ethiofencarb, mixts. with HPPD-inhibiting herbicides  
 30560-19-1D, Acephate, mixts. with HPPD-inhibiting herbicides  
 30864-28-9D, Methacrifos, mixts. with HPPD-inhibiting herbicides  
 31218-83-4D, Propetamphos, mixts. with HPPD-inhibiting herbicides  
 31377-69-2D, Pirimetaphos, mixts. with HPPD-inhibiting herbicides  
 31895-21-3D, Thiocyclam, mixts. with HPPD-inhibiting herbicides  
 33089-61-1D, Amitraz, mixts. with HPPD-inhibiting herbicides  
 33399-00-7D, Bromfenvinfos, mixts. with HPPD-inhibiting herbicides  
 34264-24-9D, Promacyl, mixts. with HPPD-inhibiting herbicides  
 34643-46-4D, Prothiofos, mixts. with HPPD-inhibiting herbicides  
 34681-10-2D, Butocarboxim, mixts. with HPPD-inhibiting herbicides  
 34681-23-7D, Butoxycarboxim, mixts. with HPPD-inhibiting herbicides  
 35367-38-5D, Diflubenzuron, mixts. with HPPD-inhibiting herbicides  
 35400-43-2D, Sulprofos, mixts. with HPPD-inhibiting herbicides  
 35575-96-3D, Azamethiphos, mixts. with HPPD-inhibiting herbicides  
 36145-08-1D, Chlorprazophos, mixts. with HPPD-inhibiting herbicides  
 36614-38-7D, Isothioate, mixts. with HPPD-inhibiting herbicides  
 37764-25-3D, Dichlormid, mixts. with HPPD-inhibiting herbicides and  
 insecticides 38260-63-8D, Lirimfos, mixts. with HPPD-inhibiting  
 herbicides 38524-82-2D, Trifenofos, mixts. with HPPD-inhibiting  
 herbicides 39196-18-4D, ,Thiofanox, mixts. with HPPD-inhibiting  
 herbicides 39247-96-6D, Primidophos, mixts. with HPPD-inhibiting  
 herbicides 39515-40-7D, Cyphenothrin, mixts. with HPPD-inhibiting  
 herbicides 39515-41-8D, Fenpropathrin, mixts. with HPPD-inhibiting  
 herbicides 40085-57-2D, Tazimcarb, mixts. with HPPD-inhibiting

herbicides 40596-69-8D, Methoprene, mixts. with HPPD-inhibiting  
 herbicides 40596-80-3D, Triprene, mixts. with HPPD-inhibiting herbicides  
 41096-46-2D, Hydroprene, mixts. with HPPD-inhibiting herbicides  
 41198-08-7D, Profenofos, mixts. with HPPD-inhibiting herbicides  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicidal combinations)

L12 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:405610 CAPLUS  
 DOCUMENT NUMBER: 137:145047  
 TITLE: Simultaneous determination of polar and apolar  
 organo-phosphorus pesticides and triazine herbicides  
 by solid-phase microextraction (SPME) in aqueous  
 samples  
 AUTHOR(S): Nguyen, Hung Minh; Pham, Hung Viet; Giger, Walter;  
 Berg, Michael  
 CORPORATE SOURCE: Centre for Environmental Chemistry (CEC), Hanoi  
 University of Science, Hanoi, Vietnam  
 SOURCE: Analytical Sciences (2001), 17(Suppl.), a375-a378  
 CODEN: ANSCEN; ISSN: 0910-6340  
 PUBLISHER: Japan Society for Analytical Chemistry  
 DOCUMENT TYPE: Journal; (computer optical disk)  
 LANGUAGE: English  
 OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD  
 (3 CITINGS)  
 REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 55-38-9, Fenthion 56-38-2, Parathion 60-51-5, Dimethoate 62-73-7,  
 Dichlorvos 121-75-5, Malathion 122-14-5, Fenitrothion 298-00-0,  
 Parathion methyl 333-41-5, Diazinon 1912-24-9, Atrazine 2921-88-2,  
 Chlorpyrifos 3766-81-2, Fenobucarb **5598-13-0**, Chlorpyrifos  
 methyl 6190-65-4, Desethylatrazine 13171-21-6, Phosphamidon  
 RL: ANT (Analyte); ANST (Analytical study)  
 (simultaneous determination of polar and apolar organo-phosphorus pesticides  
 and triazine **herbicides** by solid-phase microextn. (SPME) in  
 aqueous samples)

L12 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:286656 CAPLUS  
 DOCUMENT NUMBER: 136:305521  
 TITLE: Simultaneous application of pesticides to rice paddies  
 INVENTOR(S): Uchikurohashi, Toru; Tashima, Takayoshi; Yamamoto,  
 Yoshinobu; Otsuka, Takashi; Yamaguchi, Rikio; Imano,  
 Takamichi  
 PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002114612	A	20020416	JP 2000-307632	20001006
PRIORITY APPLN. INFO.:			JP 2000-307632	20001006
OS.CITING REF COUNT:	1	THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)		
IT 55-38-9, Phenthion	57-13-6D, Urea, derivs.	60-51-5, Dimethoate		
63-25-2, Carbaryl	114-26-1, Propoxur	119-12-0, Pyridaphenthion		
122-14-5, Phenitrothion	298-04-4, Disulfoton	333-41-5, 463-77-4,		
Carbamic acid, biological studies	1563-66-2, Carbofuran	1631-58-9,		



Nereis toxin 2274-67-1, Dimethylvinphos 2597-03-7, Fenthoate 2631-40-5, Isoprocarb 3572-08-5, Phenocarb **5598-13-0**  
 6923-22-4, Monocrotophos 7292-16-2, Propaphos 11141-17-6, Azadirachtin 15263-53-3, Cartap 17606-31-4, Bensultap 26087-47-8,  
 O,O-Diisopropyl-S-benzyl thiophosphate 27605-76-1 31895-21-3,  
 Thiocyclam 38669-41-9, Phenoxypropionic acid 41814-78-2,  
 5-Methyl-1,2,4-triazolo[3,4-b]benzothiazole 50512-35-1,  
 Diisopropyl-1,3-dithiolan-2-ylidene malonate 55285-14-8, Carbosulfan 57369-32-1 63935-38-6, Cycloprothrin 65907-30-4, Furathiocarb 66332-96-5 69327-76-0, Buprofezin 71751-41-2, Abamectin 80844-07-1,  
 Ethopphenprox 82560-54-1, Benfuracarb 83055-99-6 93697-74-6  
 94593-91-6 104030-54-8 105024-66-6, Silafluofen 111988-49-9,  
 Thiachloprid 112410-23-8, Tebufenozide 115852-48-7 120068-37-3,  
 Fipronil 120162-55-2 122548-33-8 123572-88-3 126801-58-9  
 130000-40-7 131860-33-8 133408-50-1 135158-54-2 135410-20-7,  
 Acetamiprid 136849-15-5 138261-41-3, Imidacloprid 143807-66-3,  
 Chromafenozide 150824-47-8, Nitenpyram 153719-23-4, Thiamethoxam 155569-91-8, Emamectin benzoate 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 210880-92-5,  
 Clothianidin 220305-15-7 223580-51-6  
 RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses)  
 (simultaneous application of microbicide, **herbicide**, and insecticide to rice paddies)

L12 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:210355 CAPLUS

DOCUMENT NUMBER: 136:381730

TITLE: Selecting the right compounds for screening: use of surface-area parameters

AUTHOR(S): Tice, Colin M.

CORPORATE SOURCE: Rohm and Haas Co, Spring House, PA, 19477-0949, USA

SOURCE: Pest Management Science (2002), 58(3), 219-233

CODEN: PMSCFC; ISSN: 1526-498X

PUBLISHER: John Wiley & Sons Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50-29-3, DDT, biological studies 52-68-6, Trichlorfon 54-11-5,  
 Nicotine 55-38-9, Fenthion 56-38-2, Parathion 57-39-6, Metepa 58-89-9, Lindane 60-51-5, Dimethoate 61-82-5, Amitrole 62-73-7,  
 Dichlorvos 63-25-2, Carbaryl 70-43-9, Barthrin 72-43-5, Methoxychlor 72-54-8, TDE 72-56-0, Ethylan 76-03-9, TCA, biological studies 76-44-8, Heptachlor 78-57-9, Menazon 80-33-1, Chlorfenson 83-79-4,  
 Rotenone 86-50-0, Azinphos-methyl 93-65-2, Mecoprop 93-71-0, CDAA 94-74-6, MCPA 94-75-7, 2,4-D, biological studies 94-81-5, MCPB 94-82-6, 2,4-DB 97-17-6, Dichlofenthion 101-42-8, Fenuron 107-49-3,  
 TEPP 114-26-1, Propoxur 115-26-4, Dimefox 115-32-2, Dicofol 115-90-2, Fensulfothion 116-06-3, Aldicarb 116-29-0, Tetradifon 119-12-0, Pyridaphenthion 120-36-5, Dichlorprop 121-20-0, Cinerin II 121-21-1, Pyrethrin I 121-75-5, Malathion 122-10-1, Bomyl 122-14-5,  
 Fenitrothion 122-34-9, Simazine 126-22-7, Butonate 133-90-4, Chloramben 139-40-2, Propazine 141-66-2, Dicrotophos 143-50-0,  
 Chlordecone 144-41-2, Morphothion 150-68-5, Monuron 152-16-9, Schradan 297-78-9, Isobenzan 297-97-2, Thionazin 298-00-0,  
 Parathion-methyl 298-02-2, Phorate 298-04-4, Disulfoton 299-84-3, Fenchlorphos 300-76-5, Dibrom 301-12-2, Oxydemeton-methyl 311-45-5,  
 Paraoxon 315-18-4, Mexacarbate 327-98-0, Trichloronate 333-41-5, Diazinon 470-90-6, Chlorfenvinfos 510-15-6, Chlorobenzilate

534-52-1, DNOC 545-55-1, TEPA 555-37-3, Neburon 563-12-2, Ethion  
 584-79-2, Allethrin 640-15-3, Thiometon 644-64-4, Dimetilan  
 709-98-8, Propanil 732-11-6, Phosmet 741-58-2, Bensulide 759-94-4,  
 EPTC 786-19-6, Carbophenothion 834-12-8, Ametryne 841-06-5,  
 Methoprotryne 886-50-0 919-86-8, Demeton-S-methyl 944-22-9, Fonofos  
 947-02-4, Phosfolan 950-10-7 950-37-8, Methidation 957-51-7,  
 Diphenamid 1031-47-6, Triamiphos 1071-83-6, Glyphosate 1113-02-6,  
 Omethoate 1114-71-2, Pebulate 1129-41-5, Metolcarb 1134-23-2,  
 Cycloate 1172-63-0, Jasmolin II 1194-65-6, Dichlobenil 1420-07-1,  
 Dinoterb 1563-66-2, Carbofuran 1582-09-8, Trifluralin 1610-18-0,  
 Prometon 1646-88-4, Aldoxycarb 1689-83-4, Ioxynil 1689-84-5,  
 Bromoxynil 1698-60-8, Chloridazon 1702-17-6, Clopyralid 1836-75-5,  
 Nitrofen 1861-32-1, Dacthal 1861-40-1, Benfluralin 1912-24-9,  
 Atrazine 1912-26-1, Trietazine 1918-00-9, Dicamba 1918-11-2,  
 Terbutcarb 1918-16-7, Propachlor 1982-47-4, Chloroxuron 1982-49-6,  
 Siduron 2008-41-5, Butylate 2032-65-7, Methiocarb 2104-64-5, EPN  
 2104-96-3, Bromophos 2164-08-1, Lenacil 2164-17-2, Fluometuron  
 2212-67-1, Molinate 2227-17-0, Dienochlor 2275-18-5, Prothoate  
 2275-23-2, Vamidothion 2303-16-4, Diallate 2303-17-5, Triallate  
 2310-17-0, Phosalone 2312-35-8, Propargite 2385-85-5, Mirex  
 2425-10-7, Xylylcarb 2439-01-2, Quinomethionate 2463-84-5, Dicapthon  
 2497-07-6, Oxydisulfoton 2540-82-1, Formothion 2595-54-2, Mecarbam  
 2597-03-7, Phenthoate 2631-37-0, Promecarb 2631-40-5, Isoproc carb  
 2636-26-2, Cyanophos 2655-14-3, XMC 2655-19-8, Butacarb 2674-91-1,  
 Oxydeprofos 2921-88-2, Chlorpyriphos 2941-55-1, Ethiolate 3060-89-7,  
 Metobromuron 3244-90-4, Aspon 3309-87-3, DMCP 3337-71-1, Asulam  
 3689-24-5, Sulfotep 3766-81-2, Fenobucarb 3792-59-4, EPBP 3811-49-2,  
 Dioxabenzofos 3813-05-6, Benazolin 3942-54-9, CPMC 4151-50-2,  
 Sulfluramid 4824-78-6, Bromophos-ethyl 4849-32-5, Karbutilate  
**5598-13-0** 5827-05-4, IPSP 5902-51-2, Terbacil 5915-41-3,  
 Terbutylazine 6164-98-3, Chlordimeform 6923-22-4, Monocrotophos  
 6988-21-2, Dioxacarb 7287-19-6, Prometryn 7287-36-7, Monalide  
 7292-16-2, Propaphos 7696-12-0, Tetramethrin 7700-17-6, Crotoxypfos  
 7786-34-7, Mevinphos 8001-35-2, Toxaphene 10265-92-6, Methamidophos  
 10311-84-9, Dialifor 10453-86-8, Resmethrin 11141-17-6, Azadirachtin  
 12407-86-2, Trimethacarb 13067-93-1, Cyanofenphos 13071-79-9, Terbufos  
 13171-21-6, Phosphamidon 13181-17-4, Bromofenoxim 13194-48-4,  
 Ethoprophos 13360-45-7, Chlorbromuron 13593-03-8, Quinalphos  
 13684-56-5, Desmedipham 13684-63-4, Phenmedipham 14816-18-3, Phoxim  
 14816-20-7, Chlorphoxim 15263-53-3, Cartap 15299-99-7, Napropamide  
 15972-60-8, Alachlor 16752-77-5, Methomyl 17606-31-4, Bensultap  
 18181-70-9, Iodofenphos 18181-80-1, Bromopropylate 18854-01-8,  
 Isoxathion 19044-88-3, Oryzalin 19937-59-8, Metoxuron 20354-26-1,  
 Methazole 21548-32-3, Fosthietan 21609-90-5, Leptophos 21725-46-2,  
 Cyanazine 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinfos  
 22259-30-9, Formetanate 22781-23-3, Bendiocarb 23031-36-9, Prallethrin  
 23103-98-2, Pirimicarb 23184-66-9, Butachlor 23505-41-1,  
 Pirimiphos-ethyl 23560-59-0, Heptenophos 23950-58-5, Pronamide  
 24017-47-8, Triazophos 24151-93-7, Piperophos 24934-91-6, Chlormepfos  
 25057-89-0, Bentazone 25171-63-5, Thiocarboxime 25311-71-1, Isofenphos  
 25319-90-8, MCPA-thioethyl 25402-06-6, Cinerin I 26002-80-2,  
 Phenothrin 26399-36-0, Profluralin 27314-13-2, Norflurazon  
 28249-77-6, Thiobencarb 29091-05-2, Dinitramine 29091-21-2, Prodiamine  
 29104-30-1, Benzoximate 29973-13-5, Ethiofencarb 30560-19-1, Acephate  
 31218-83-4, Propetamphos 32861-85-1, Chlomethoxyfen 33089-61-1,  
 Amitraz 33245-39-5, Fluchloralin 33820-53-0, Isopropalin 34256-82-1,  
 Acetochlor 34622-58-7, Orbencarb

RL: AGR (Agricultural use); PRP (Properties); BIOL (Biological study);  
 USES (Uses)

(use of surface-area parameters for agrochem. screening of  
**herbicides** and insecticides)

=> log h

(FILE 'HOME' ENTERED AT 10:11:42 ON 10 FEB 2011)

FILE 'REGISTRY' ENTERED AT 10:12:03 ON 10 FEB 2011

E THIAMETHOXAM/CN  
L1 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON THIAMETHOXAM/CN  
E TEFLURIN/CN  
E TEFLUTHRIN/CN  
L2 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TEFLUTHRIN/CN  
E FERBUFOS/CN  
E TERBUFOS/CN  
L3 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TERBUFOS/CN  
L4 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS/CN  
E CHLORPYRIFOS-METHYL/CN  
L5 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS-METHYL/C  
N

FILE 'CAPLUS' ENTERED AT 10:15:27 ON 10 FEB 2011

L6 90 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) (L1 OR  
L2 OR L3 OR L4 OR L5)  
L7 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)  
L2 (L) L3 (L) L4 (L) L5  
L8 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)  
L2 (L) L3 (L) L4  
L9 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)  
L2 (L) L3  
L10 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)  
L2  
D L6 IBIB HIT 80-90  
L11 85 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) (L2 OR  
L3 OR L4 OR L5)  
L12 5 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L5  
L13 67 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L4  
L14 25 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L3  
L15 7 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L2  
D L15 IBIB HIT 7  
D L15 IBIB HIT 1-6  
D L12 IBIB HIT 1-5

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	86.96	118.75
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.57	-9.57

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 10:23:32 ON 10 FEB 2011